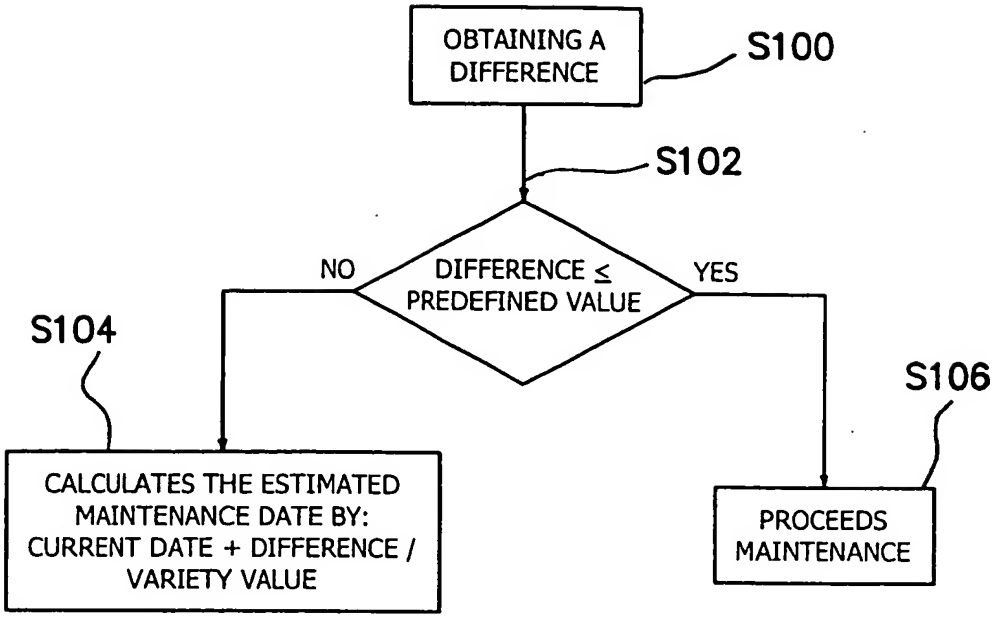

OBTAINING A DIFFERENCE
S100
S102
DIFFERENCE ≤ PREDEFINED VALUE
NO
YES
S104
S106
CALCULATES THE ESTIMATED MAINTENANCE DATE BY: CURRENT DATE + DIFFERENCE / VARIETY VALUE
PROCEEDS MAINTENANCE

FIG. 1

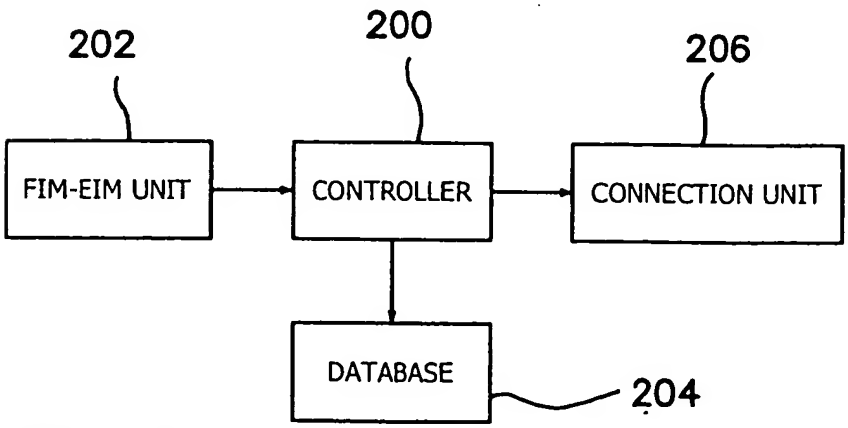

202
200
206
FIM-EIM UNIT
CONTROLLER
CONNECTION UNIT
DATABASE
204

FIG. 2

FIG. 3

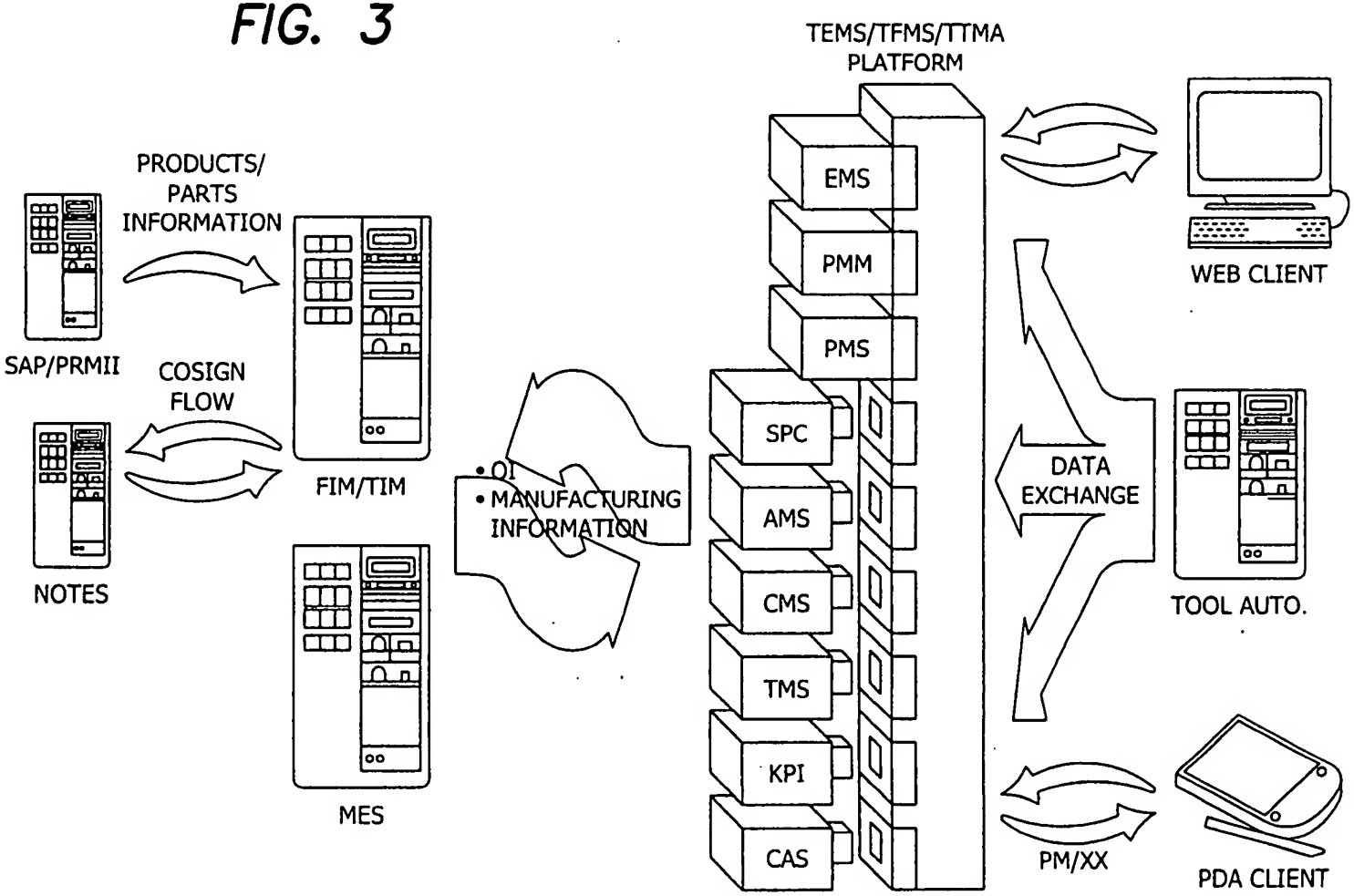
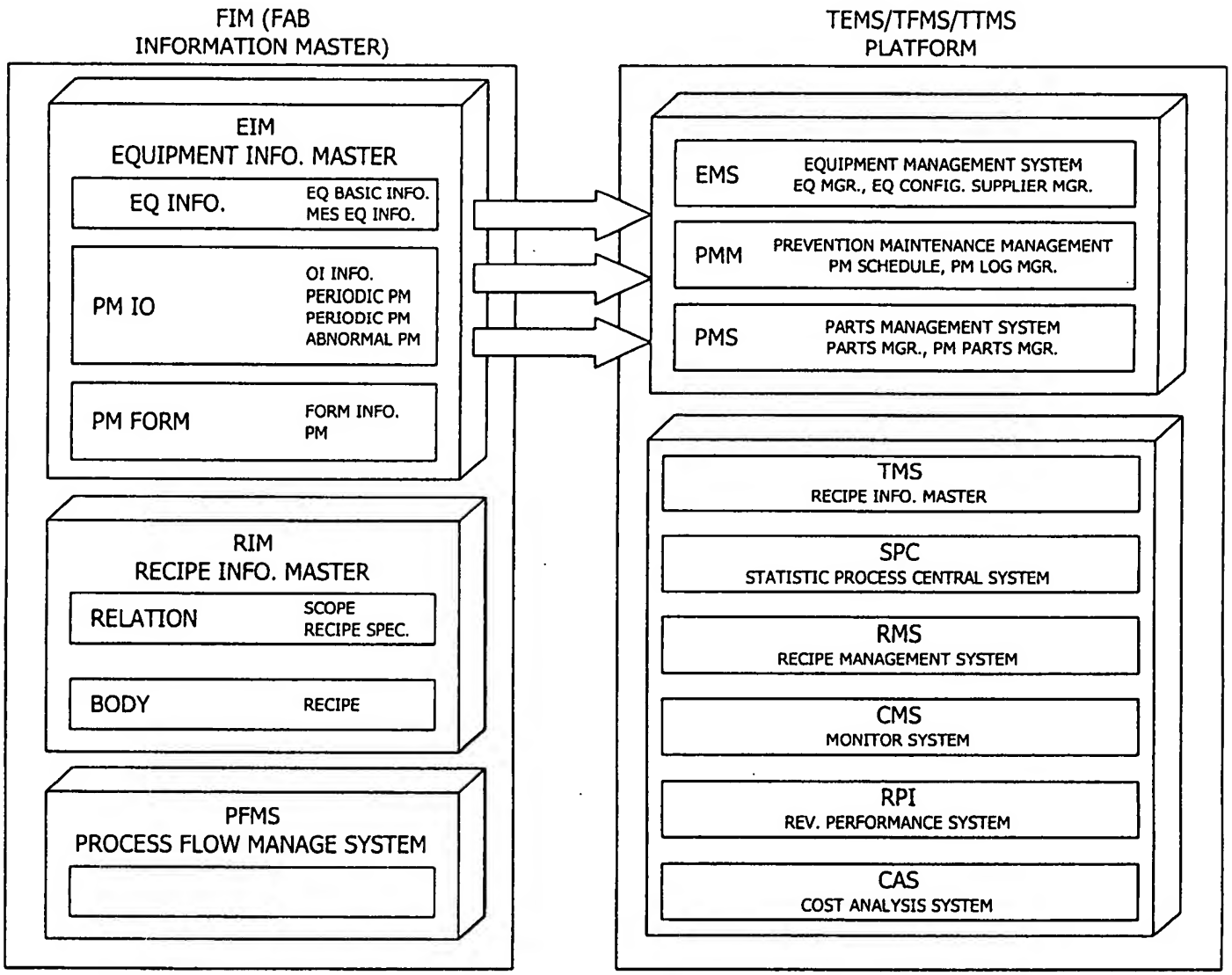

TEMS/TFMS/TTMA
PLATFORM
EMS
PMM
PMS
SPC
AMS
CMS
TMS
KPI
CAS
PRODUCTS/
PARTS
INFORMATION
SAP/PRMII
COSIGN
FLOW
NOTES
FIM/TIM
MES
• QI
• MANUFACTURING
INFORMATION
WEB CLIENT
DATA
EXCHANGE
TOOL AUTO.
PM/XX
PDA CLIENT

FIG. 4


FIM (FAB
INFORMATION MASTER)
EIM
EQUIPMENT INFO. MASTER
EQ INFO.
EQ BASIC INFO.
MES EQ INFO.
PM IO
OI INFO.
PERIODIC PM
PERIODIC PM
ABNORMAL PM
PM FORM
FORM INFO.
PM
RIM
RECIPE INFO. MASTER
RELATION
SCOPE
RECIPE SPEC.
BODY
RECIPE
PFMS
PROCESS FLOW MANAGE SYSTEM
TEMS/TFMS/TTMS
PLATFORM
EMS
EQUIPMENT MANAGEMENT SYSTEM
EQ MGR., EQ CONFIG. SUPPLIER MGR.
PMM
PREVENTION MAINTENANCE MANAGEMENT
PM SCHEDULE, PM LOG MGR.
PMS
PARTS MANAGEMENT SYSTEM
PARTS MGR., PM PARTS MGR.
TMS
RECIPE INFO. MASTER
SPC
STATISTIC PROCESS CENTRAL SYSTEM
RMS
RECIPE MANAGEMENT SYSTEM
CMS
MONITOR SYSTEM
RPI
REV. PERFORMANCE SYSTEM
CAS
COST ANALYSIS SYSTEM

OPERATION INSTRUCTION FOR PREVENT MAINTENANCE OF EQUIPMENT SYSTEM (FIM-EIM)

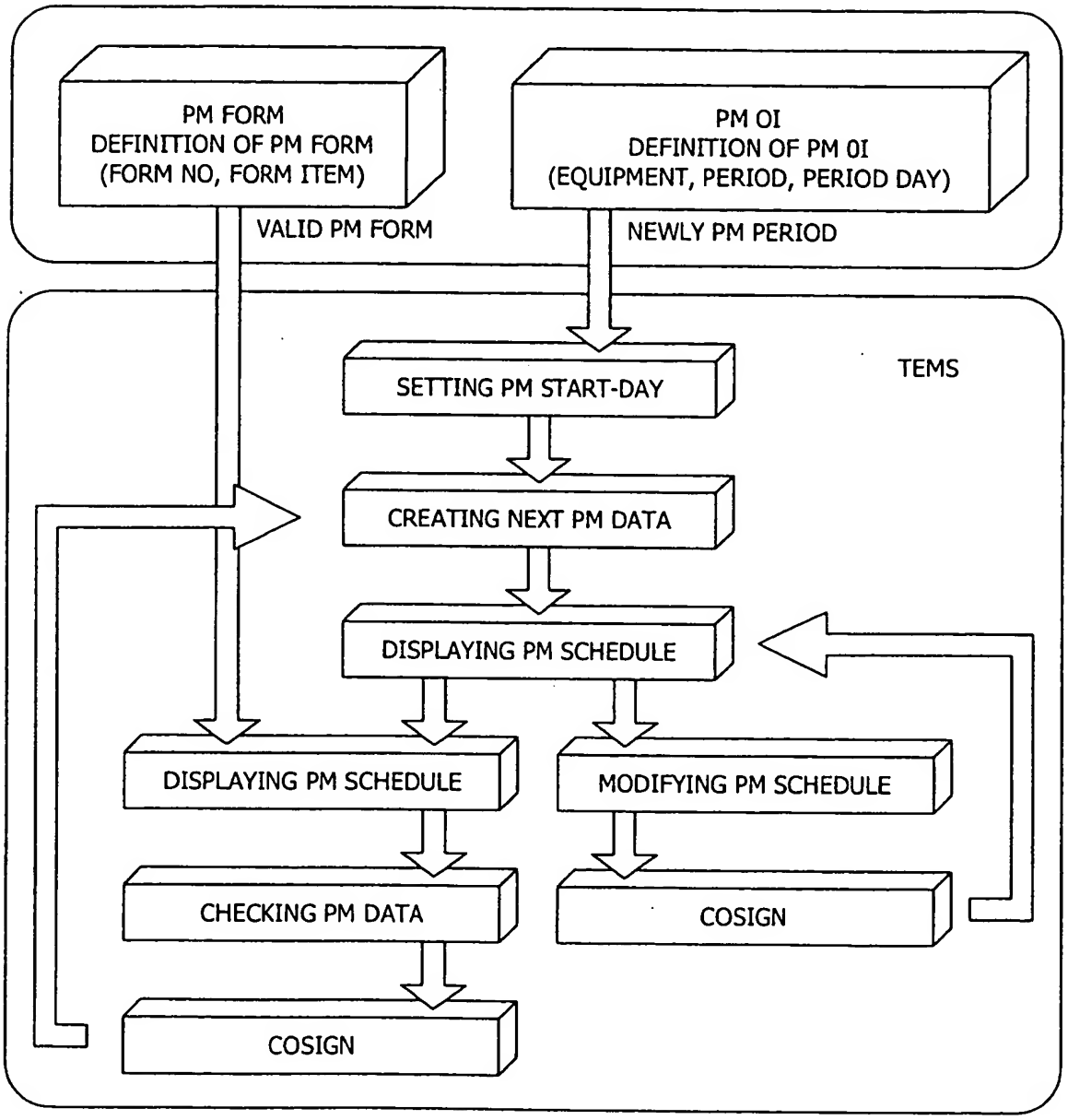


FIG. 5

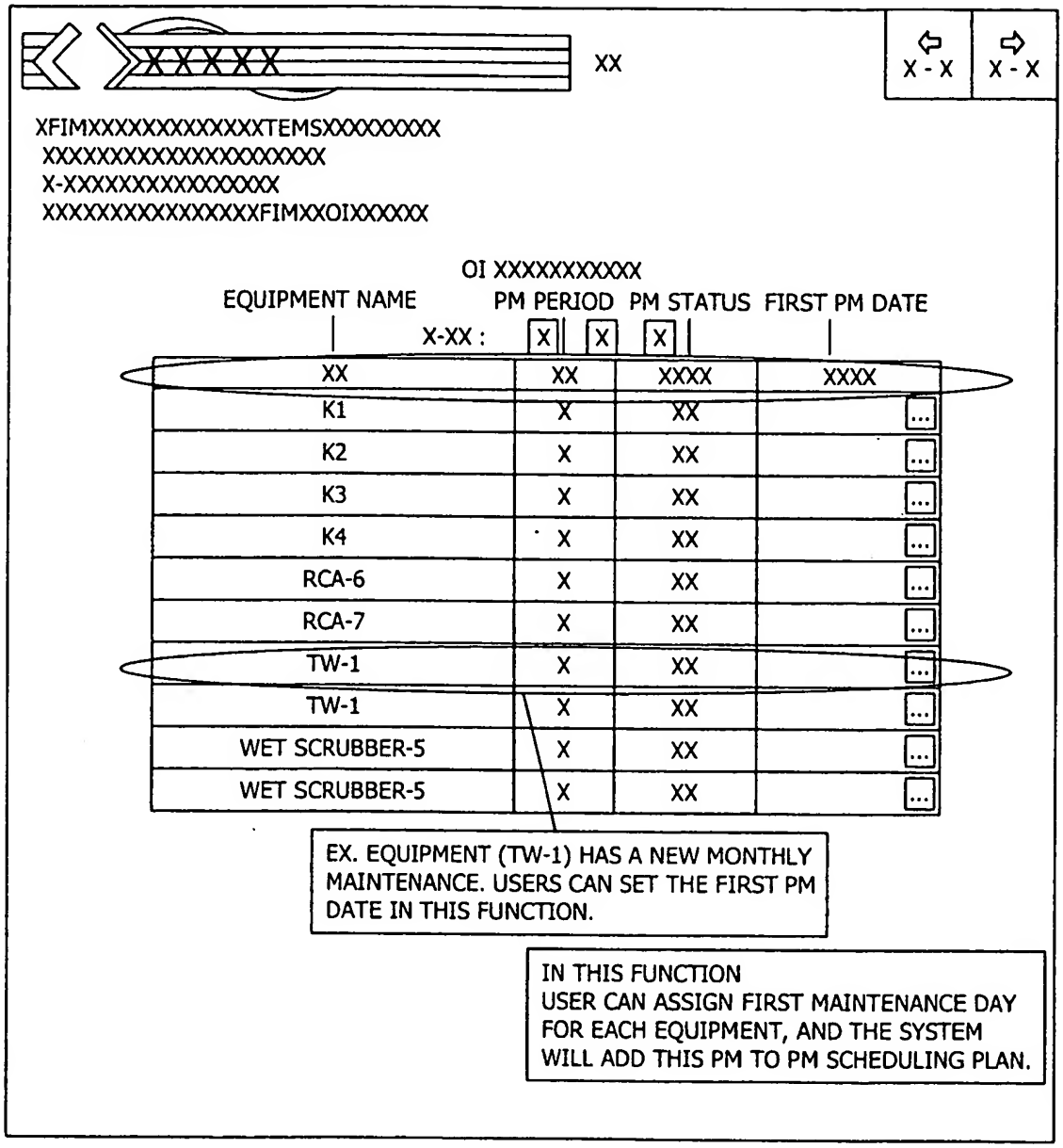

XXXXX
XX
X - X
X - X
XFIMXXXXXXXXXXXXTEMSXXXXXXXXX
XXXXXXXXXXXXXXXXXXXX
X-XXXXXXXXXXXXXX
XXXXXXXXXXXXXXXFIMXXOIXXXXXX
OI XXXXXXXXXX
EQUIPMENT NAME
PM PERIOD
PM STATUS
FIRST PM DATE
X-XX :
X
X
X
XX
XX
XXXX
XXXX
K1
K2
K3
K4
RCA-6
RCA-7
TW-1
TW-1
WET SCRUBBER-5
WET SCRUBBER-5
EX. EQUIPMENT (TW-1) HAS A NEW MONTHLY MAINTENANCE. USERS CAN SET THE FIRST PM DATE IN THIS FUNCTION.
IN THIS FUNCTION
USER CAN ASSIGN FIRST MAINTENANCE DAY FOR EACH EQUIPMENT, AND THE SYSTEM WILL ADD THIS PM TO PM SCHEDULING PLAN.

FIG. 6

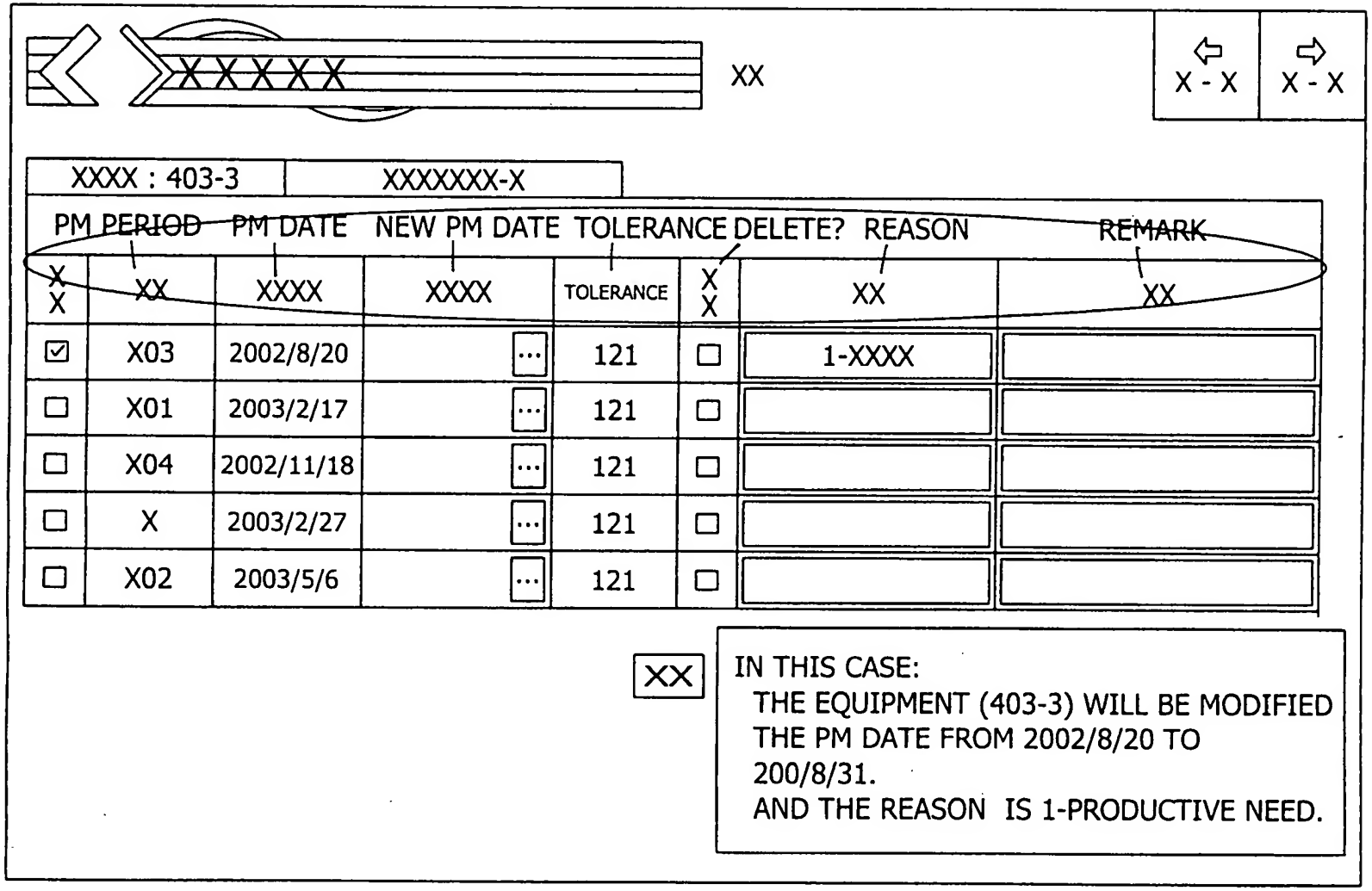

XXXXX
XX
X - X
X - X
XXXX : 403-3
XXXXXXX-X
PM PERIOD
PM DATE
NEW PM DATE
TOLERANCE
DELETE?
REASON
REMARK
XX
XXXX
XXXX
TOLERANCE
XX
XX
X03
2002/8/20
121
1-XXXX
X01
2003/2/17
121
X04
2002/11/18
121
X
2003/2/27
121
X02
2003/5/6
121
XX
IN THIS CASE:
THE EQUIPMENT (403-3) WILL BE MODIFIED
THE PM DATE FROM 2002/8/20 TO
200/8/31.
AND THE REASON IS 1-PRODUCTIVE NEED.

FIG. 7

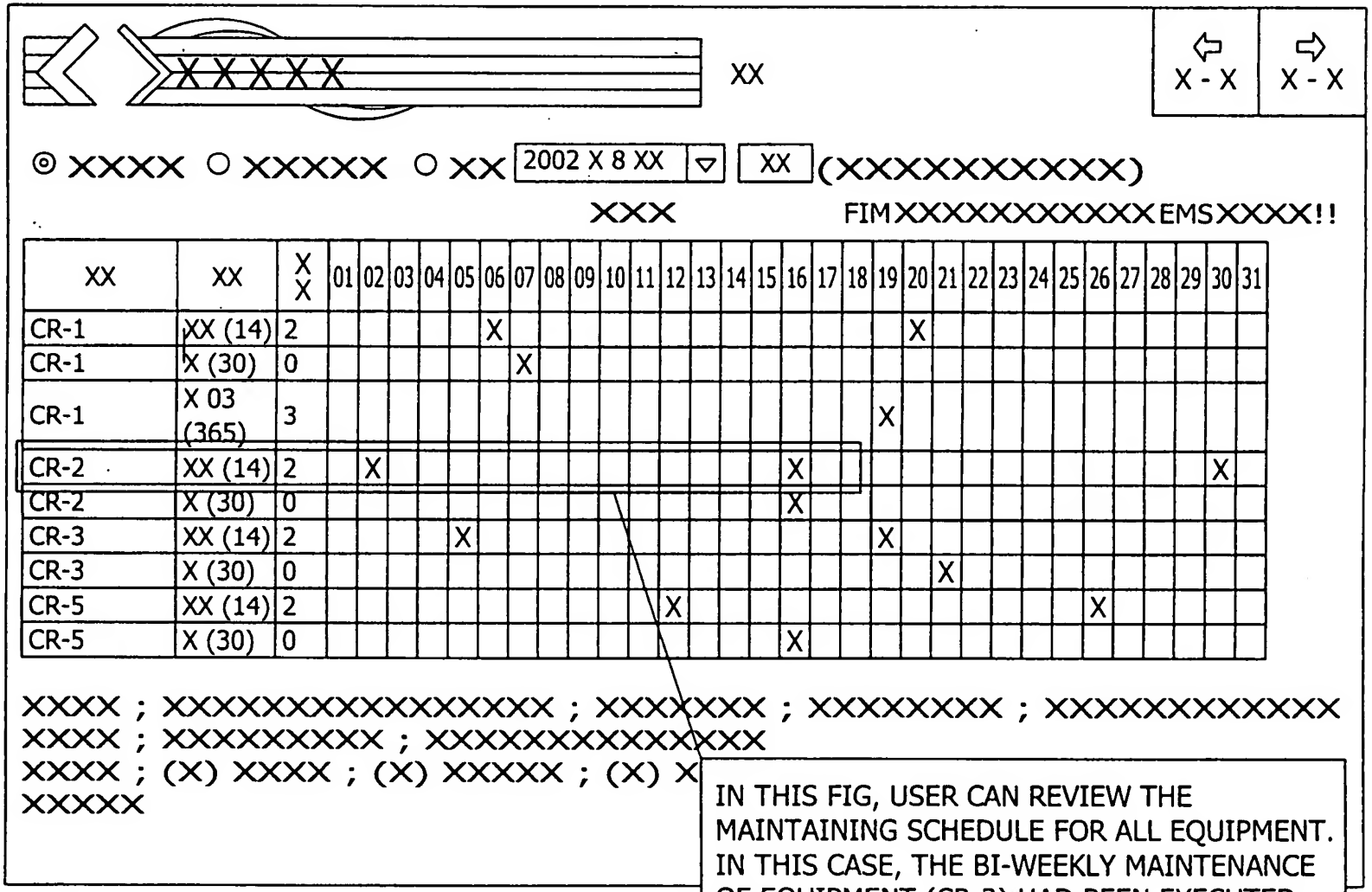

XXXXX
XX
X - X
X - X
◎ XXXX ○ XXXXX ○ XX
2002 X 8 XX
XX
(XXXXXXXXXX)
XXX
FIM XXXXXXXXXX EMS XXXX!!
XX
XX
XX
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
CR-1 XX (14) 2
CR-1 X (30) 0
CR-1 X 03 (365) 3
CR-2 XX (14) 2
CR-2 X (30) 0
CR-3 XX (14) 2
CR-3 X (30) 0
CR-5 XX (14) 2
CR-5 X (30) 0
XXXX ; XXXXXXXXXXXXXXX ; XXXXXXX ; XXXXXXXX ; XXXXXXXXXXX
XXXX ; XXXXXXXXX ; XXXXXXXXXXXXXX
XXXX ; (X) XXXX ; (X) XXXXX ; (X) X
XXXXX
IN THIS FIG, USER CAN REVIEW THE MAINTAINING SCHEDULE FOR ALL EQUIPMENT. IN THIS CASE, THE BI-WEEKLY MAINTENANCE OF EQUIPMENT (CR-2) HAD BEEN EXECUTED AT 2002/8/2 AND THE NEXT PM DATE IS 2002/8/16.

FIG. 8

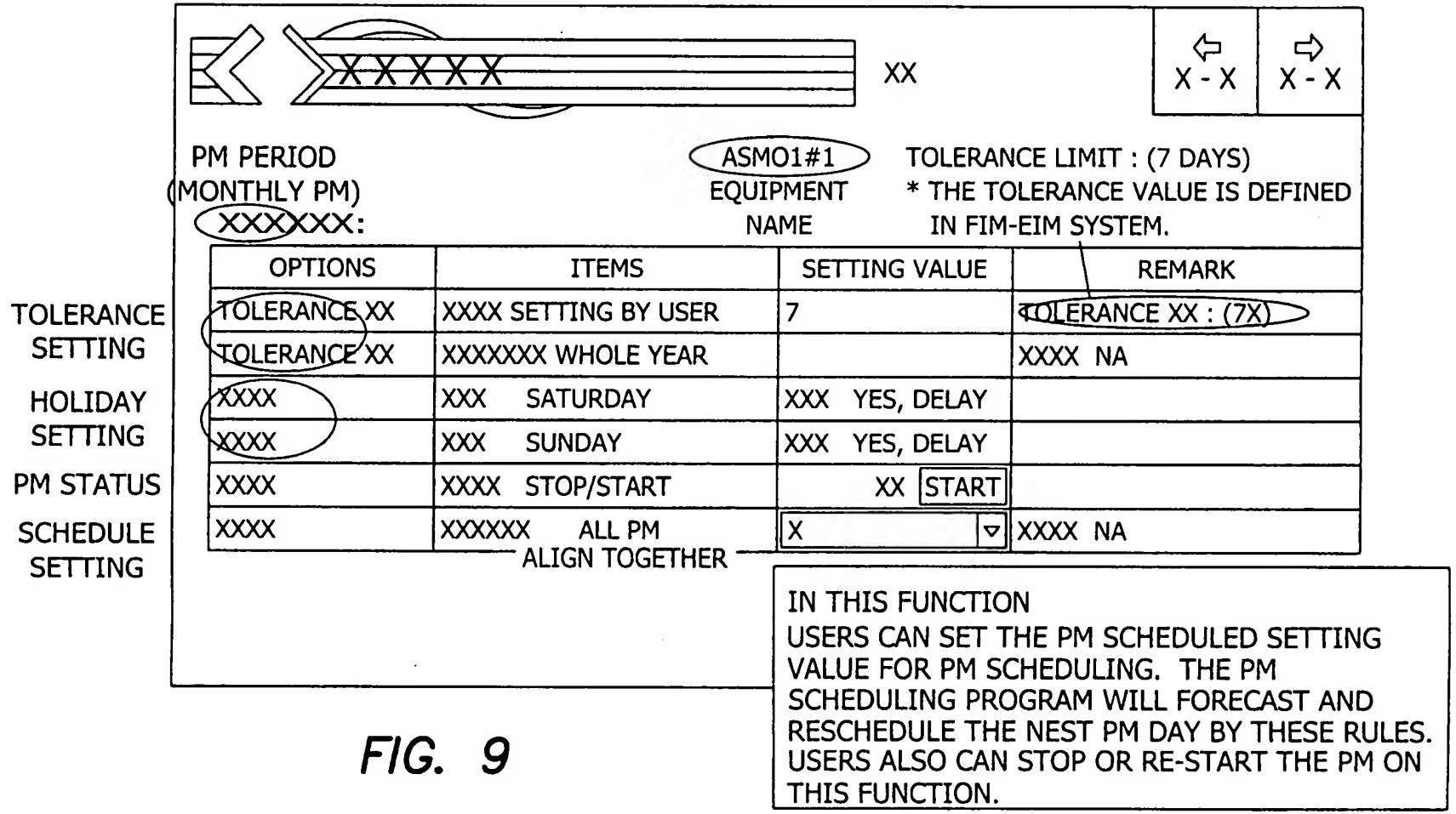

XXXXX
XX
X - X
X - X
PM PERIOD
(MONTHLY PM)
XXXXXX:
ASMO1#1
EQUIPMENT
NAME
TOLERANCE LIMIT : (7 DAYS)
* THE TOLERANCE VALUE IS DEFINED
IN FIM-EIM SYSTEM.
OPTIONS
ITEMS
SETTING VALUE
REMARK
TOLERANCE XX
XXXX SETTING BY USER
7
TOLERANCE XX : (7X)
TOLERANCE XX
XXXXXX WHOLE YEAR
XXXX NA
XXXX
XXX SATURDAY
XXX YES, DELAY
XXXX
XXX SUNDAY
XXX YES, DELAY
XXXX
XXXX STOP/START
XX START
XXXX
XXXXXX ALL PM
X
XXXX NA
ALIGN TOGETHER
TOLERANCE SETTING
HOLIDAY SETTING
PM STATUS
SCHEDULE SETTING
IN THIS FUNCTION
USERS CAN SET THE PM SCHEDULED SETTING VALUE FOR PM SCHEDULING. THE PM SCHEDULING PROGRAM WILL FORECAST AND RESCHEDULE THE NEST PM DAY BY THESE RULES. USERS ALSO CAN STOP OR RE-START THE PM ON THIS FUNCTION.

FIG. 9

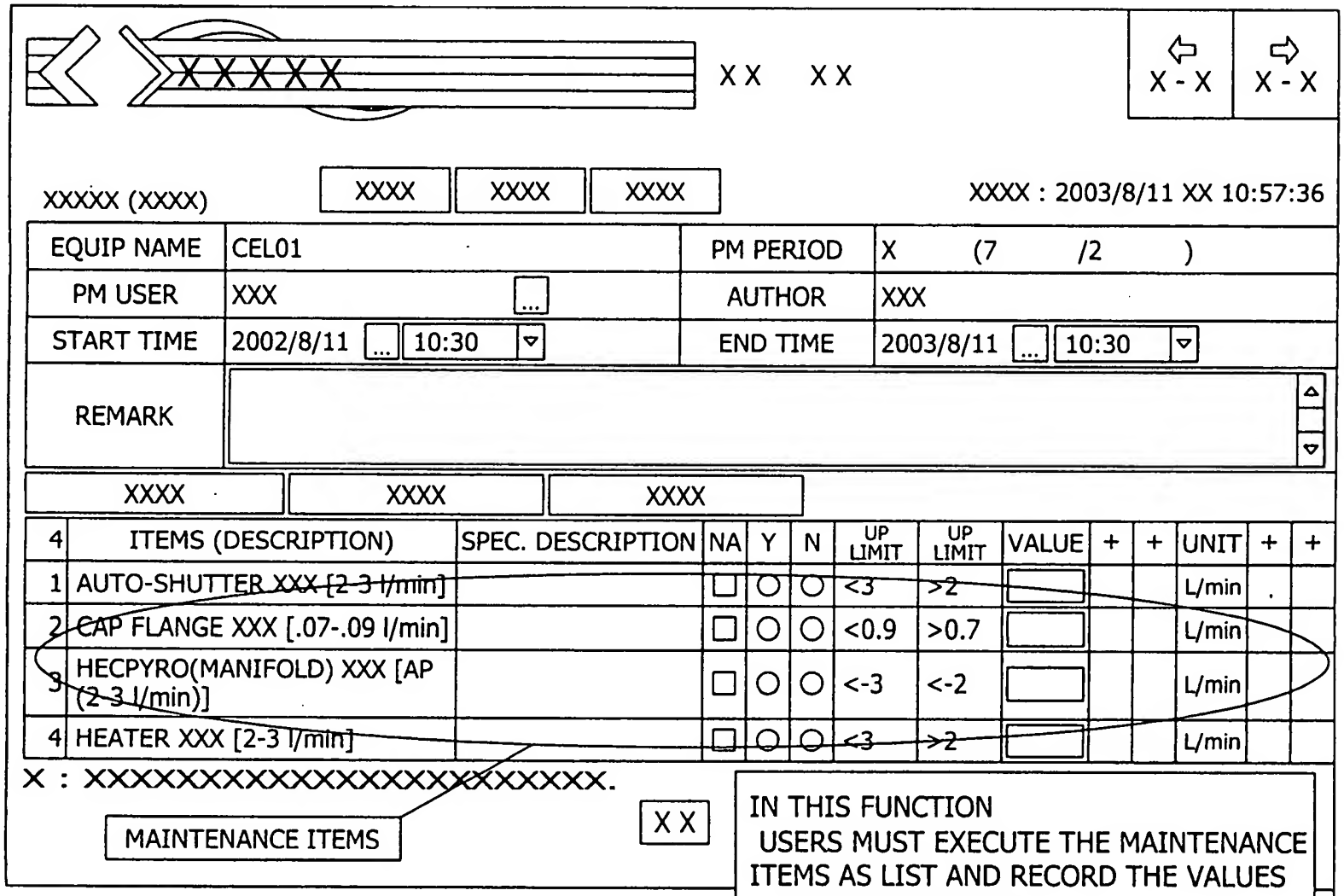

XXXXX
X X X X
X - X
X - X
XXXXX (XXXX)
XXXX
XXXX
XXXX
XXXX : 2003/8/11 XX 10:57:36
EQUIP NAME
CEL01
PM PERIOD
X (7 /2)
PM USER
XXX
AUTHOR
XXX
START TIME
2002/8/11
10:30
END TIME
2003/8/11
10:30
REMARK
XXXX
XXXX
XXXX
4 ITEMS (DESCRIPTION) SPEC. DESCRIPTION NA Y N UP LIMIT UP LIMIT VALUE + + UNIT + +
1 AUTO-SHUTTER XXX [2-3 l/min] <3 >2 L/min
2 CAP FLANGE XXX [.07-.09 l/min] <0.9 >0.7 L/min
3 HECPYRO(MANIFOLD) XXX [AP (2-3 l/min)] <-3 <-2 L/min
4 HEATER XXX [2-3 l/min] <3 >2 L/min
X : XXXXXXXXXXXXXXXXXXXXXXXXX.
MAINTENANCE ITEMS
X X
IN THIS FUNCTION
USERS MUST EXECUTE THE MAINTENANCE ITEMS AS LIST AND RECORD THE VALUES AFTER MAINTAINING.

FIG. 10

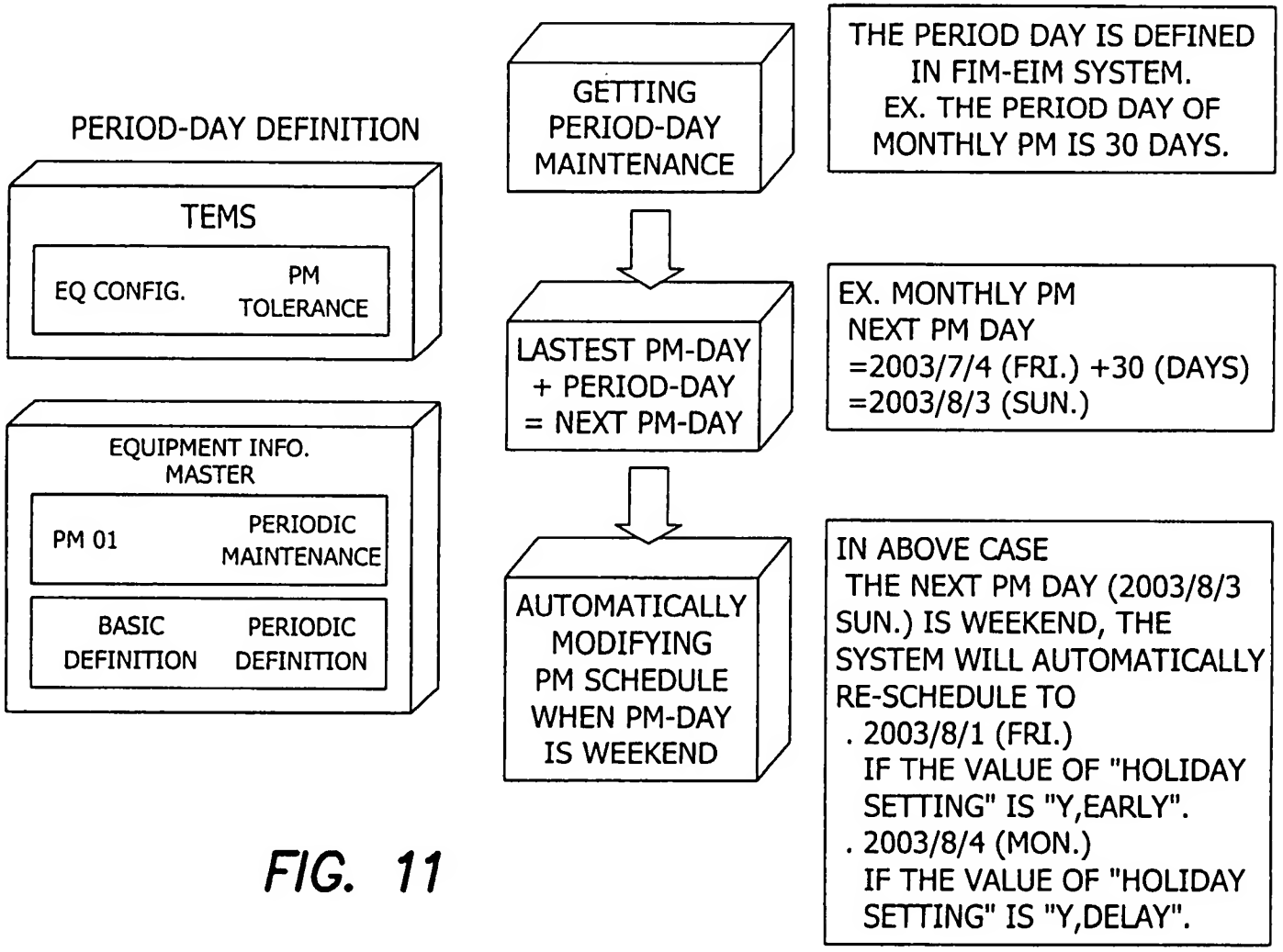

PERIOD-DAY DEFINITION
TEMS
EQ CONFIG.
PM TOLERANCE
EQUIPMENT INFO. MASTER
PM 01
PERIODIC MAINTENANCE
BASIC DEFINITION
PERIODIC DEFINITION
GETTING PERIOD-DAY MAINTENANCE
LASTEST PM-DAY + PERIOD-DAY = NEXT PM-DAY
AUTOMATICALLY MODIFYING PM SCHEDULE WHEN PM-DAY IS WEEKEND
THE PERIOD DAY IS DEFINED IN FIM-EIM SYSTEM. EX. THE PERIOD DAY OF MONTHLY PM IS 30 DAYS.
EX. MONTHLY PM
NEXT PM DAY
=2003/7/4 (FRI.) +30 (DAYS)
=2003/8/3 (SUN.)
IN ABOVE CASE
THE NEXT PM DAY (2003/8/3 SUN.) IS WEEKEND, THE SYSTEM WILL AUTOMATICALLY RE-SCHEDULE TO
. 2003/8/1 (FRI.)
IF THE VALUE OF "HOLIDAY SETTING" IS "Y,EARLY".
. 2003/8/4 (MON.)
IF THE VALUE OF "HOLIDAY SETTING" IS "Y,DELAY".

FIG. 11

OPERATION INSTRUCTION FOR PREVENT MAINTENANCE OF EQUIPMENT SYSTEM (FIM-EIM)

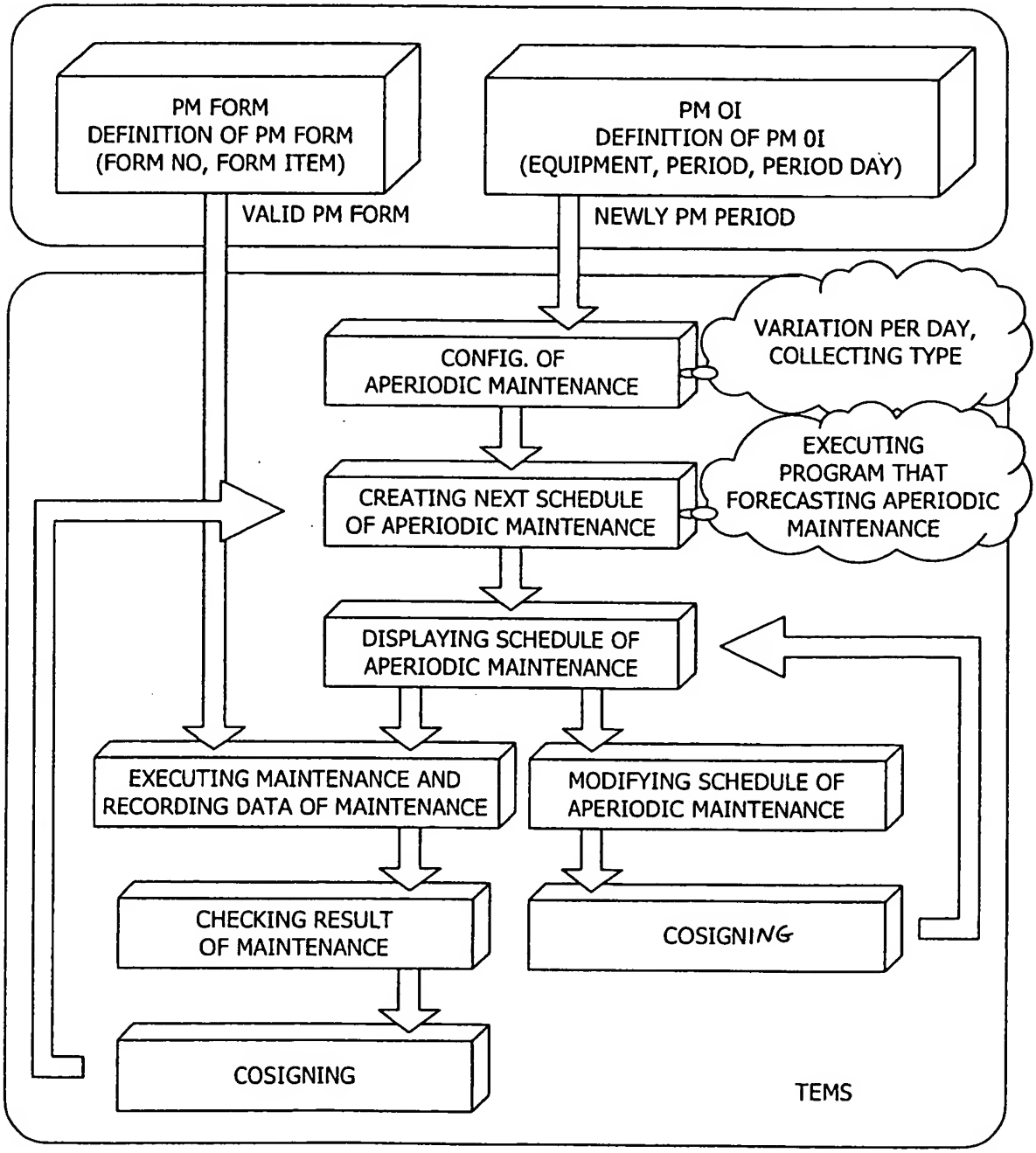
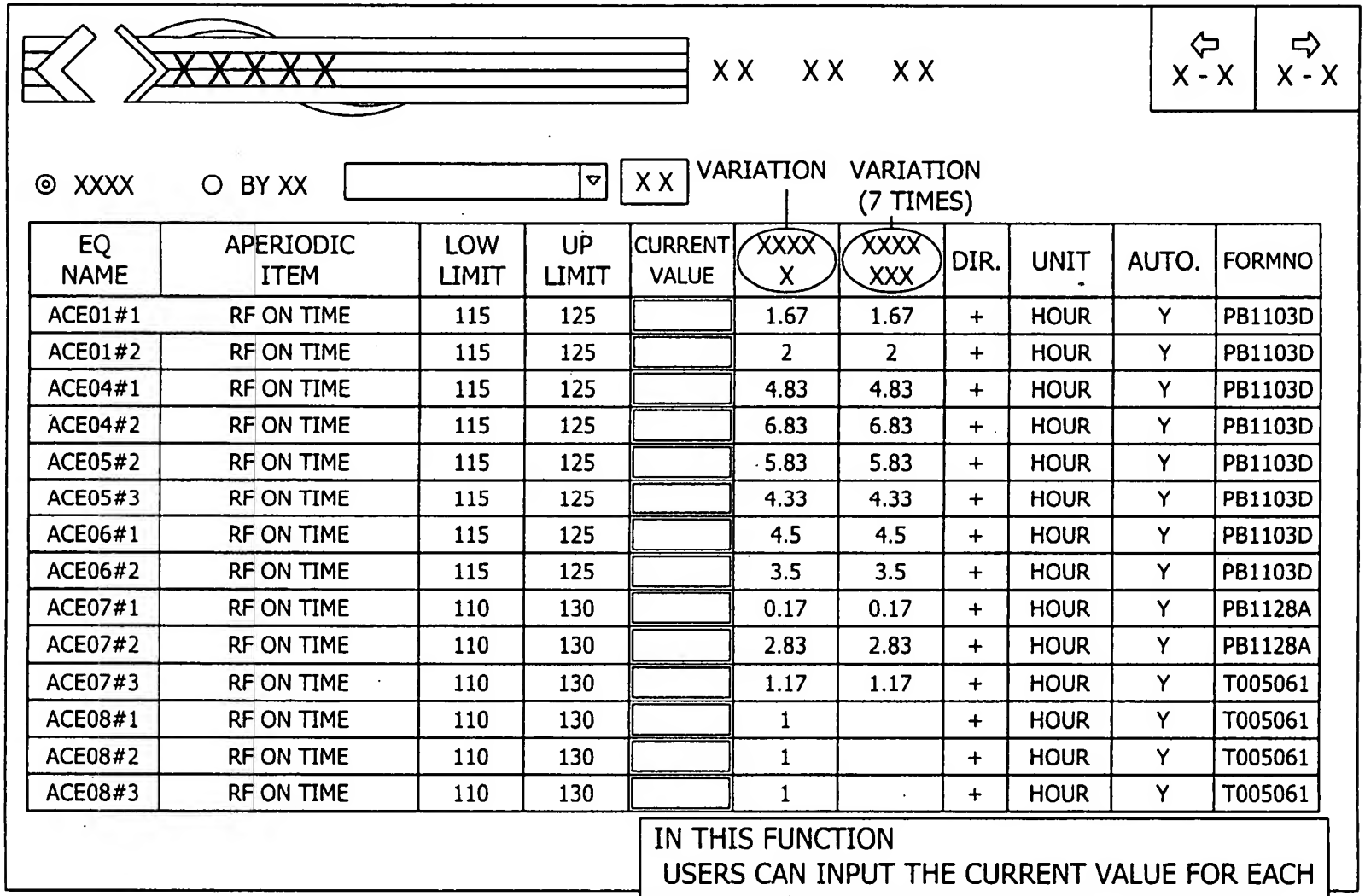


FIG. 12



EQ NAME	APERIODIC ITEM	LOW LIMIT	UP LIMIT	CURRENT VALUE	XXXX X	XXXX XXX	DIR.	UNIT	AUTO.	FORMNO
ACE01#1	RF ON TIME	115	125		1.67	1.67	+	HOUR	Y	PB1103D
ACE01#2	RF ON TIME	115	125		2	2	+	HOUR	Y	PB1103D
ACE04#1	RF ON TIME	115	125		4.83	4.83	+	HOUR	Y	PB1103D
ACE04#2	RF ON TIME	115	125		6.83	6.83	+	HOUR	Y	PB1103D
ACE05#2	RF ON TIME	115	125		5.83	5.83	+	HOUR	Y	PB1103D
ACE05#3	RF ON TIME	115	125		4.33	4.33	+	HOUR	Y	PB1103D
ACE06#1	RF ON TIME	115	125		4.5	4.5	+	HOUR	Y	PB1103D
ACE06#2	RF ON TIME	115	125		3.5	3.5	+	HOUR	Y	PB1103D
ACE07#1	RF ON TIME	110	130		0.17	0.17	+	HOUR	Y	PB1128A
ACE07#2	RF ON TIME	110	130		2.83	2.83	+	HOUR	Y	PB1128A
ACE07#3	RF ON TIME	110	130		1.17	1.17	+	HOUR	Y	T005061
ACE08#1	RF ON TIME	110	130		1		+	HOUR	Y	T005061
ACE08#2	RF ON TIME	110	130		1		+	HOUR	Y	T005061
ACE08#3	RF ON TIME	110	130		1		+	HOUR	Y	T005061

IN THIS FUNCTION
USERS CAN INPUT THE CURRENT VALUE FOR EACH APERIODIC ITEMS OF EQUIPMENT. THE SYSTEM WILL FORECAST THE NEXT MAINTENANCE DAY DEPENDING ON THE CURRENT VALUE AND VARIATION.

FIG. 13

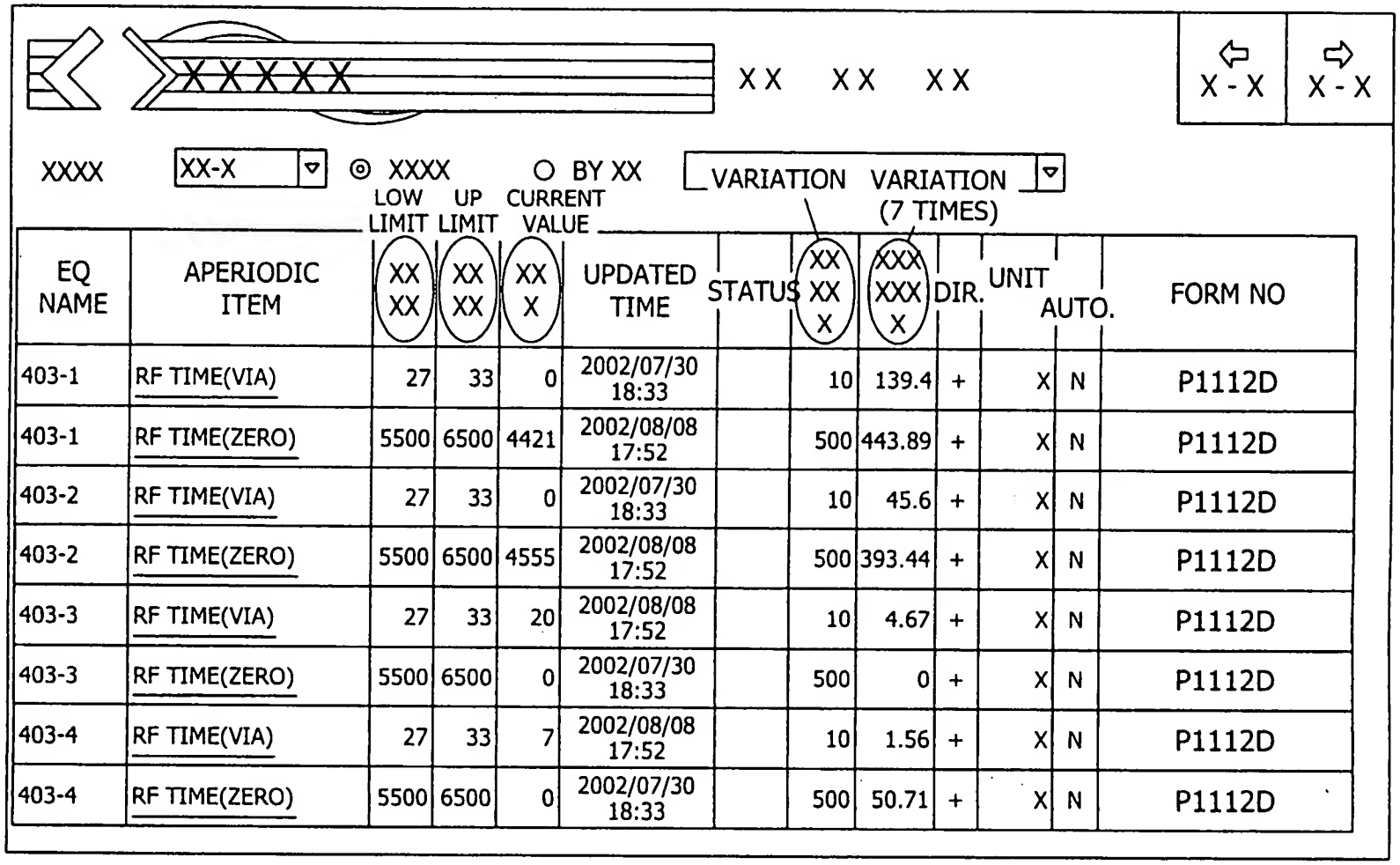

XXXXX
XX XX XX
X - X
X - X
XXXX
XX-X
◎ XXXX
○ BY XX
VARIATION
VARIATION (7 TIMES)
LOW LIMIT
UP LIMIT
CURRENT VALUE
EQ NAME
APERIODIC ITEM
XX XX
XX XX
XX X
UPDATED TIME
STATUS
XX XX X
XXX XXX X
DIR.
UNIT
AUTO.
FORM NO
403-1 RF TIME(VIA) 27 33 0 2002/07/30 18:33 10 139.4 + X N P1112D
403-1 RF TIME(ZERO) 5500 6500 4421 2002/08/08 17:52 500 443.89 + X N P1112D
403-2 RF TIME(VIA) 27 33 0 2002/07/30 18:33 10 45.6 + X N P1112D
403-2 RF TIME(ZERO) 5500 6500 4555 2002/08/08 17:52 500 393.44 + X N P1112D
403-3 RF TIME(VIA) 27 33 20 2002/08/08 17:52 10 4.67 + X N P1112D
403-3 RF TIME(ZERO) 5500 6500 0 2002/07/30 18:33 500 0 + X N P1112D
403-4 RF TIME(VIA) 27 33 7 2002/08/08 17:52 10 1.56 + X N P1112D
403-4 RF TIME(ZERO) 5500 6500 0 2002/07/30 18:33 500 50.71 + X N P1112D

FIG. 14

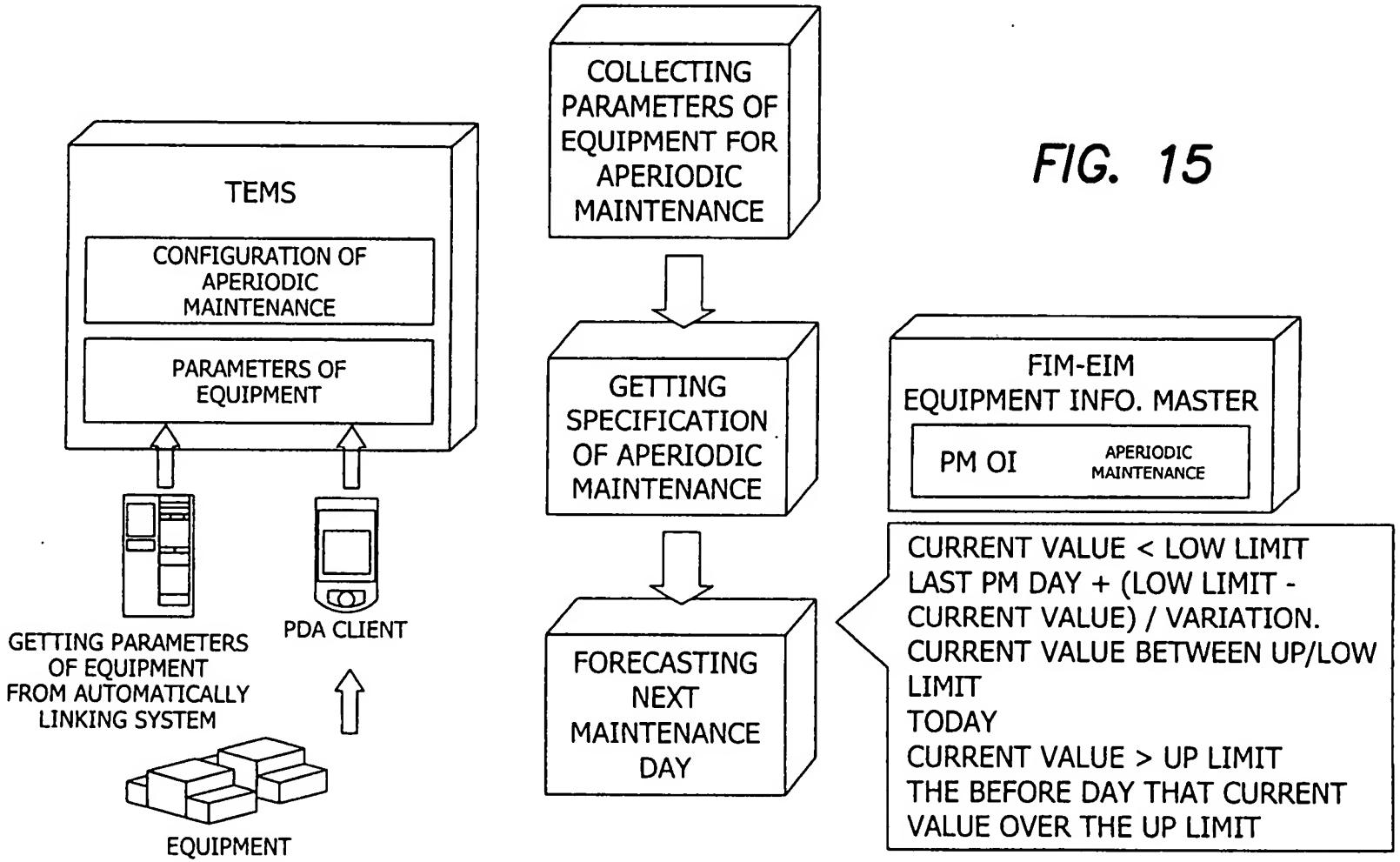

TEMS
CONFIGURATION OF APERIODIC MAINTENANCE
PARAMETERS OF EQUIPMENT
GETTING PARAMETERS OF EQUIPMENT FROM AUTOMATICALLY LINKING SYSTEM
PDA CLIENT
EQUIPMENT
COLLECTING PARAMETERS OF EQUIPMENT FOR APERIODIC MAINTENANCE
GETTING SPECIFICATION OF APERIODIC MAINTENANCE
FORECASTING NEXT MAINTENANCE DAY
FIM-EIM EQUIPMENT INFO. MASTER
PM OI
APERIODIC MAINTENANCE
CURRENT VALUE < LOW LIMIT
LAST PM DAY + (LOW LIMIT - CURRENT VALUE) / VARIATION.
CURRENT VALUE BETWEEN UP/LOW LIMIT
TODAY
CURRENT VALUE > UP LIMIT
THE BEFORE DAY THAT CURRENT VALUE OVER THE UP LIMIT

FIG. 15

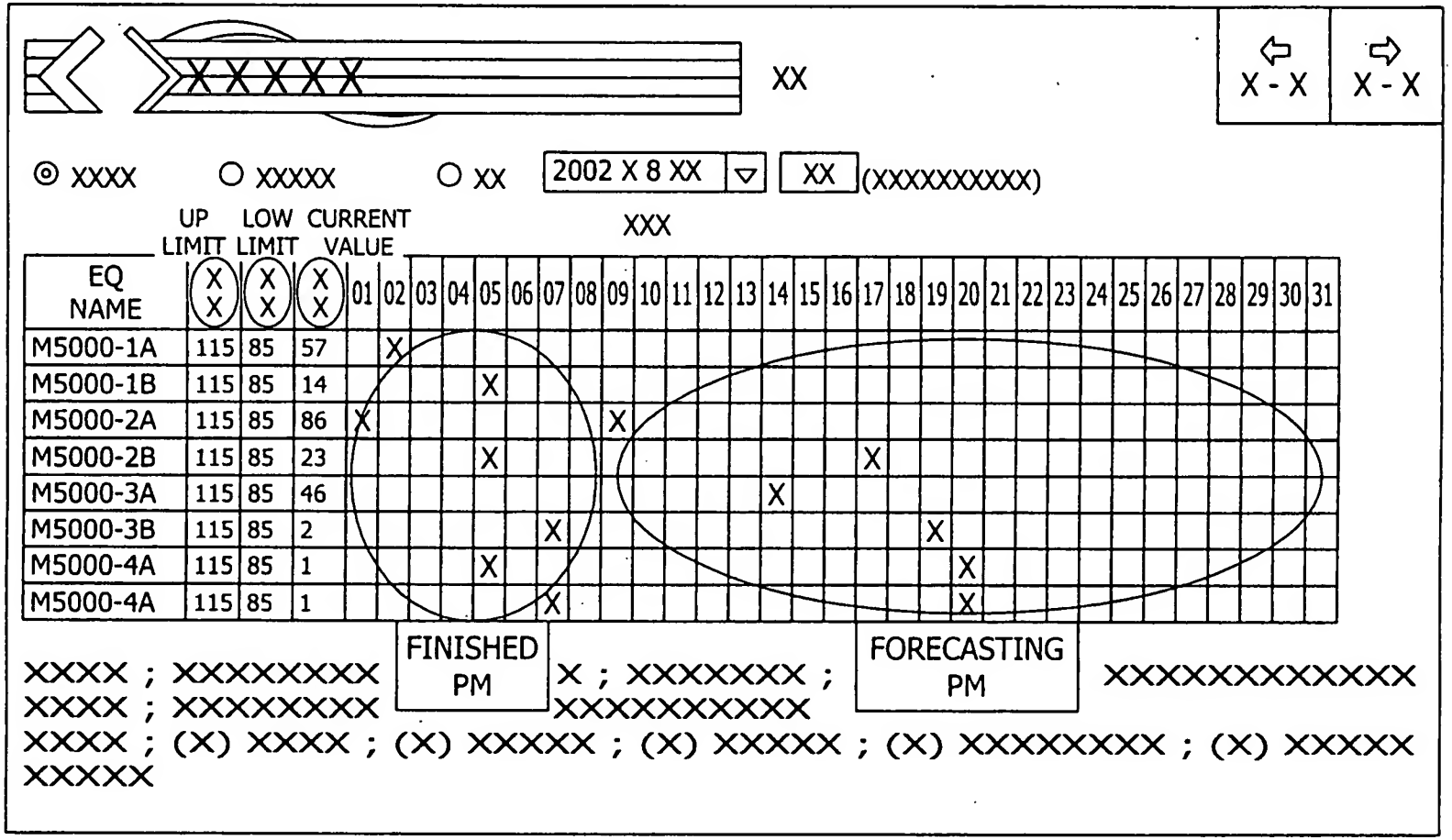
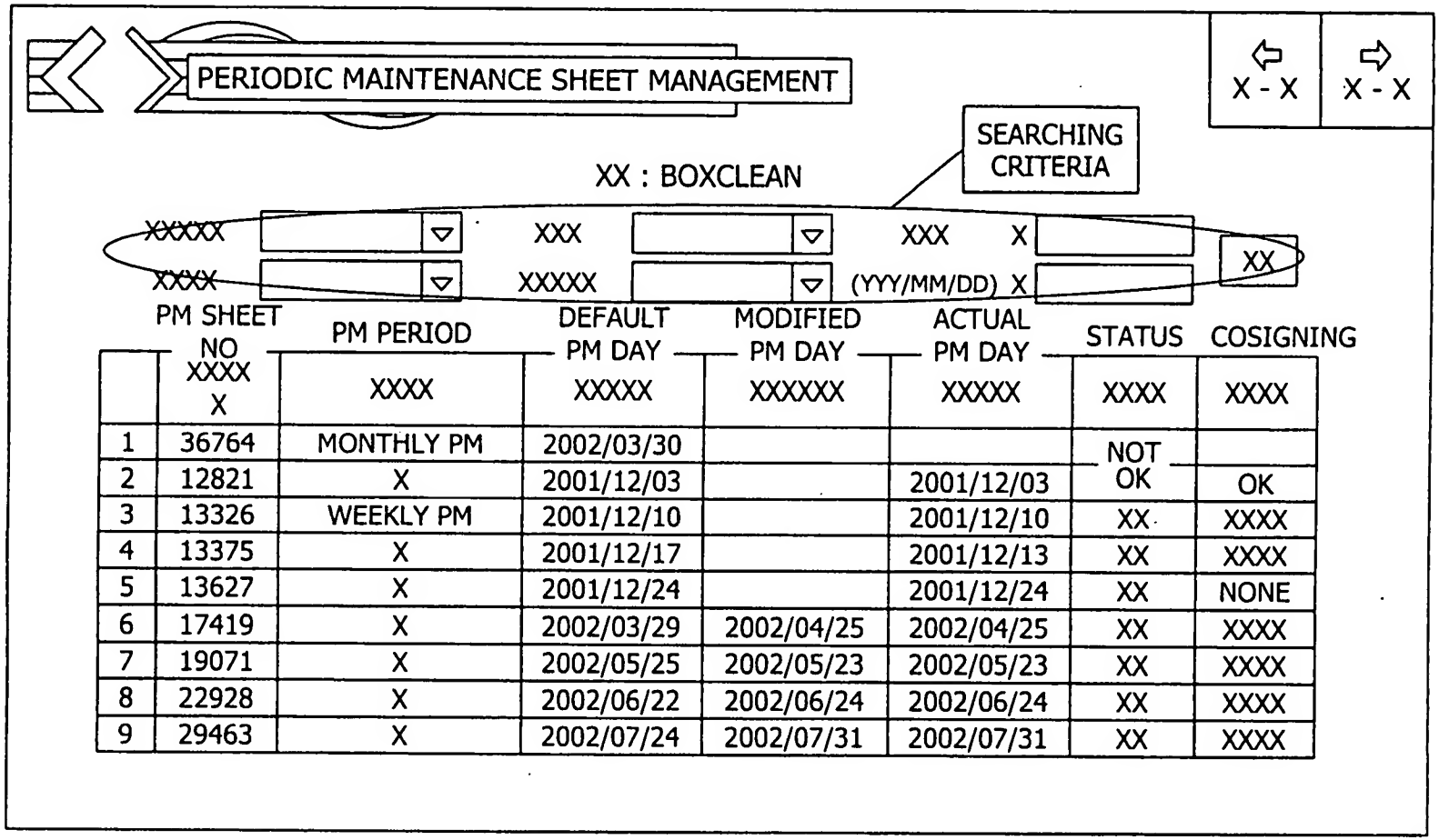

XXXXX
XX
X - X
X - X
XXXX
XXXXX
XX
2002 X 8 XX
XX
(XXXXXXXXXX)
XXX
UP LIMIT
LOW LIMIT
CURRENT VALUE
EQ NAME
XX
XX
XX
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
M5000-1A 115 85 57
M5000-1B 115 85 14
M5000-2A 115 85 86
M5000-2B 115 85 23
M5000-3A 115 85 46
M5000-3B 115 85 2
M5000-4A 115 85 1
M5000-4A 115 85 1
FINISHED PM
FORECASTING PM
XXXX ; XXXXXXXX
XXXX ; XXXXXXXX
X ; XXXXXXX ;
XXXXXXXXXX
XXXXXXXXXXXX
XXXX ; (X) XXXX ; (X) XXXXX ; (X) XXXXX ; (X) XXXXXXXX ; (X) XXXXX
XXXXX

FIG. 16



	PM SHEET NO XXXX X	PM PERIOD XXXX	DEFAULT PM DAY XXXXX	MODIFIED PM DAY XXXXXX	ACTUAL PM DAY XXXXX	STATUS XXXX	COSIGNING XXXX
1	36764	MONTHLY PM	2002/03/30			NOT OK	
2	12821	X	2001/12/03		2001/12/03		OK
3	13326	WEEKLY PM	2001/12/10		2001/12/10	XX	XXXX
4	13375	X	2001/12/17		2001/12/13	XX	XXXX
5	13627	X	2001/12/24		2001/12/24	XX	NONE
6	17419	X	2002/03/29	2002/04/25	2002/04/25	XX	XXXX
7	19071	X	2002/05/25	2002/05/23	2002/05/23	XX	XXXX
8	22928	X	2002/06/22	2002/06/24	2002/06/24	XX	XXXX
9	29463	X	2002/07/24	2002/07/31	2002/07/31	XX	XXXX

FIG. 17

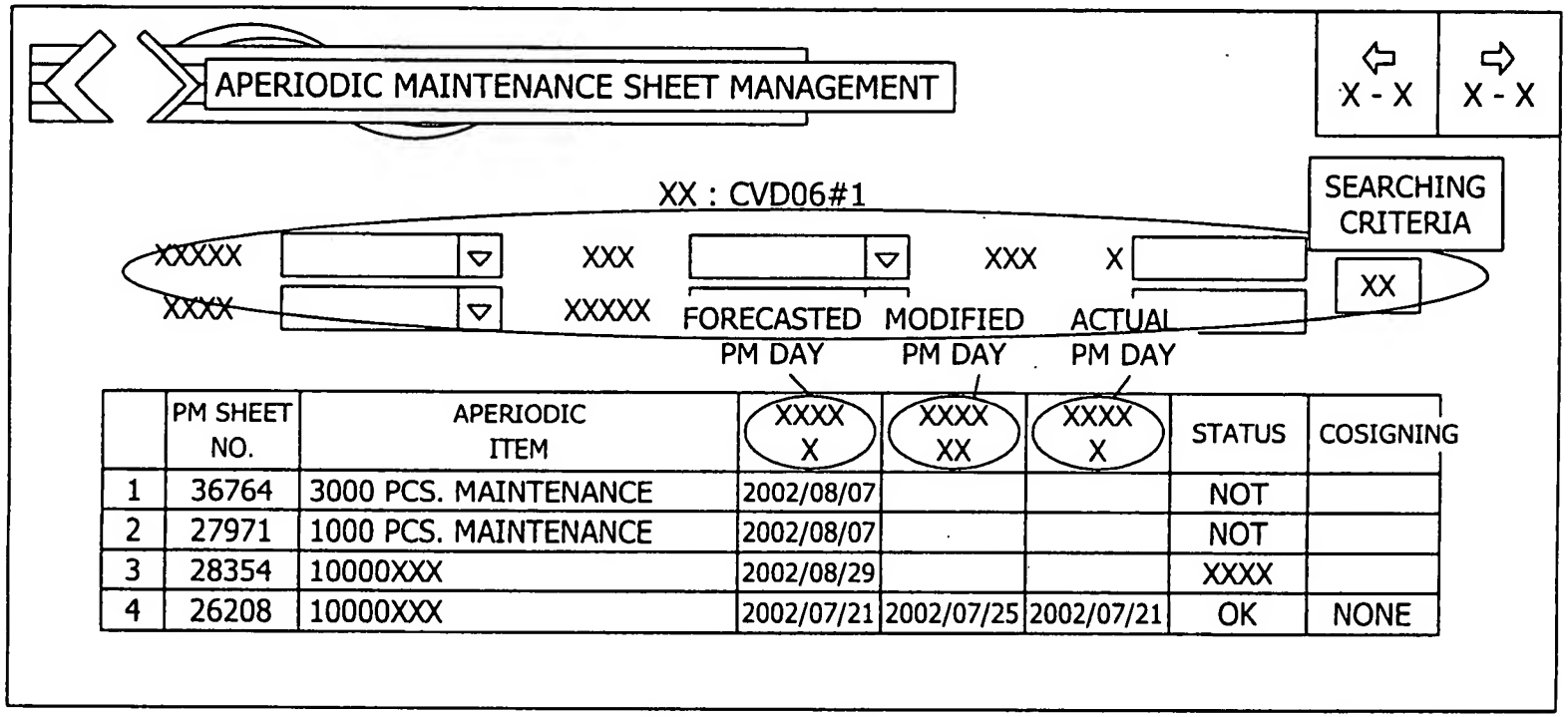

APERIODIC MAINTENANCE SHEET MANAGEMENT
X - X
X - X
XX : CVD06#1
SEARCHING CRITERIA
XXXXX
XXX
XXX
X
XX
XXXX
XXXXX
FORECASTED PM DAY
MODIFIED PM DAY
ACTUAL PM DAY
PM SHEET NO.
APERIODIC ITEM
XXXX X
XXXX XX
XXXX X
STATUS
COSIGNING
1 36764 3000 PCS. MAINTENANCE 2002/08/07 NOT
2 27971 1000 PCS. MAINTENANCE 2002/08/07 NOT
3 28354 10000XXX 2002/08/29 XXXX
4 26208 10000XXX 2002/07/21 2002/07/25 2002/07/21 OK NONE

FIG. 18

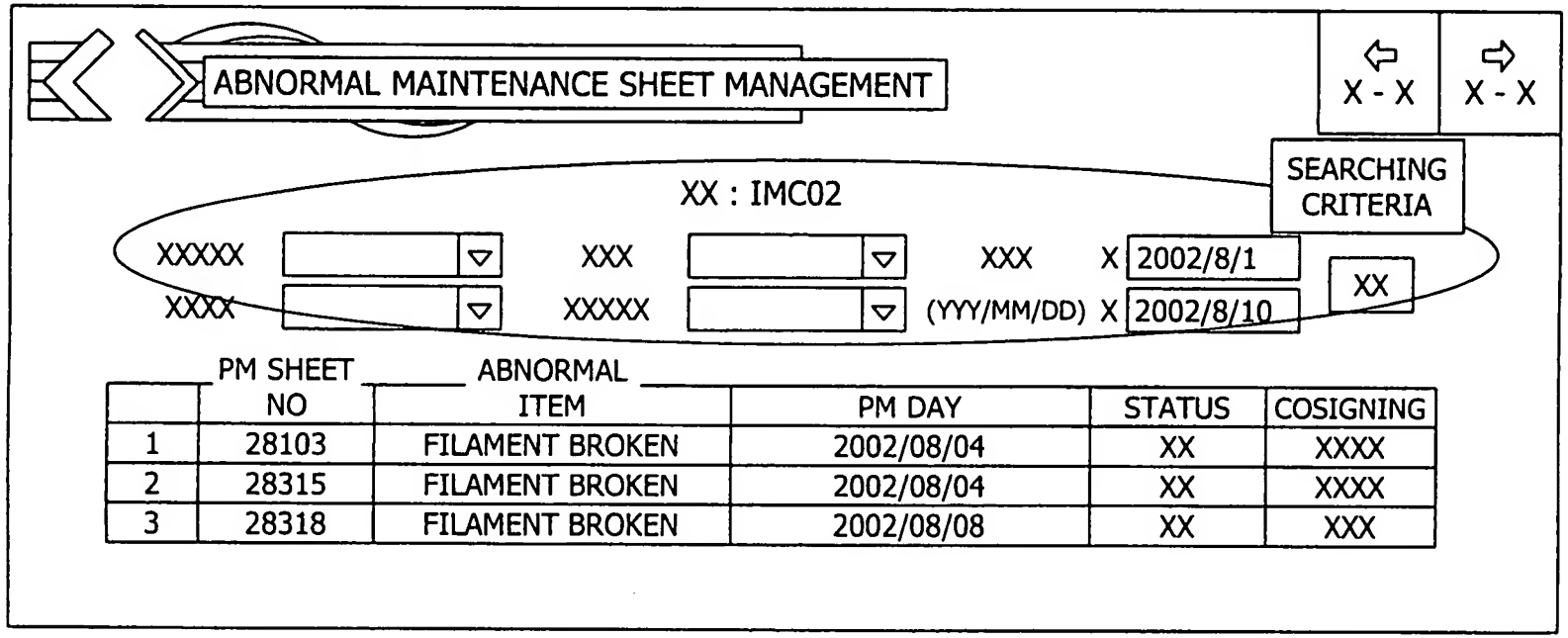

ABNORMAL MAINTENANCE SHEET MANAGEMENT
X - X
X - X
SEARCHING CRITERIA
XX : IMC02
XXXXX
XXX
XXX
X 2002/8/1
XXXX
XXXXX
(YYY/MM/DD) X 2002/8/10
XX
PM SHEET NO
ABNORMAL ITEM
PM DAY
STATUS
COSIGNING
1 28103 FILAMENT BROKEN 2002/08/04 XX XXXX
2 28315 FILAMENT BROKEN 2002/08/04 XX XXXX
3 28318 FILAMENT BROKEN 2002/08/08 XX XXX

FIG. 19

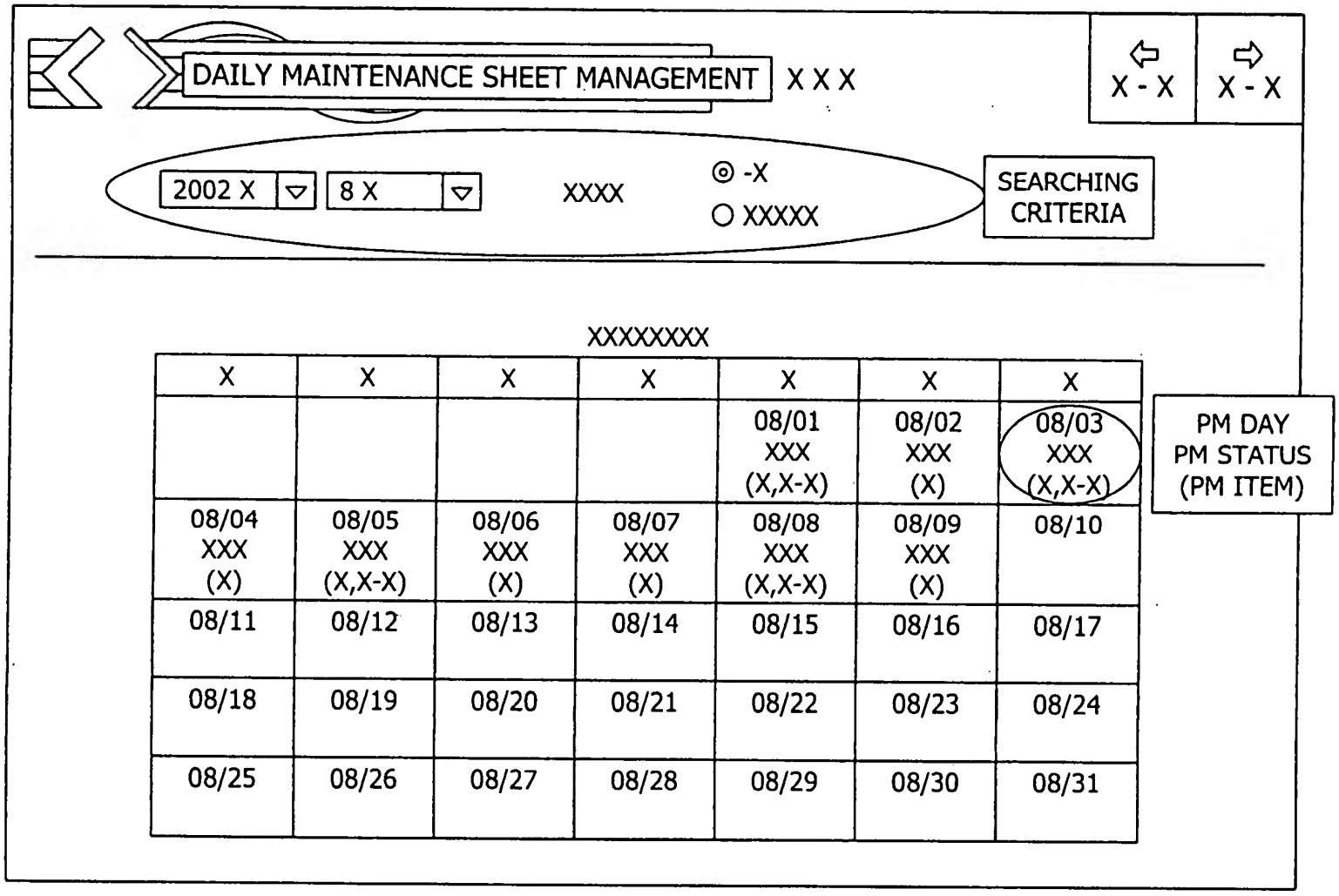

DAILY MAINTENANCE SHEET MANAGEMENT
X X X
X - X
X - X
2002 X
8 X
XXXX
-X
XXXXX
SEARCHING CRITERIA
XXXXXXXX
X X X X X X X
08/01 XXX (X,X-X)
08/02 XXX (X)
08/03 XXX (X,X-X)
PM DAY
PM STATUS
(PM ITEM)
08/04 XXX (X)
08/05 XXX (X,X-X)
08/06 XXX (X)
08/07 XXX (X)
08/08 XXX (X,X-X)
08/09 XXX (X)
08/10
08/11 08/12 08/13 08/14 08/15 08/16 08/17
08/18 08/19 08/20 08/21 08/22 08/23 08/24
08/25 08/26 08/27 08/28 08/29 08/30 08/31

FIG. 20

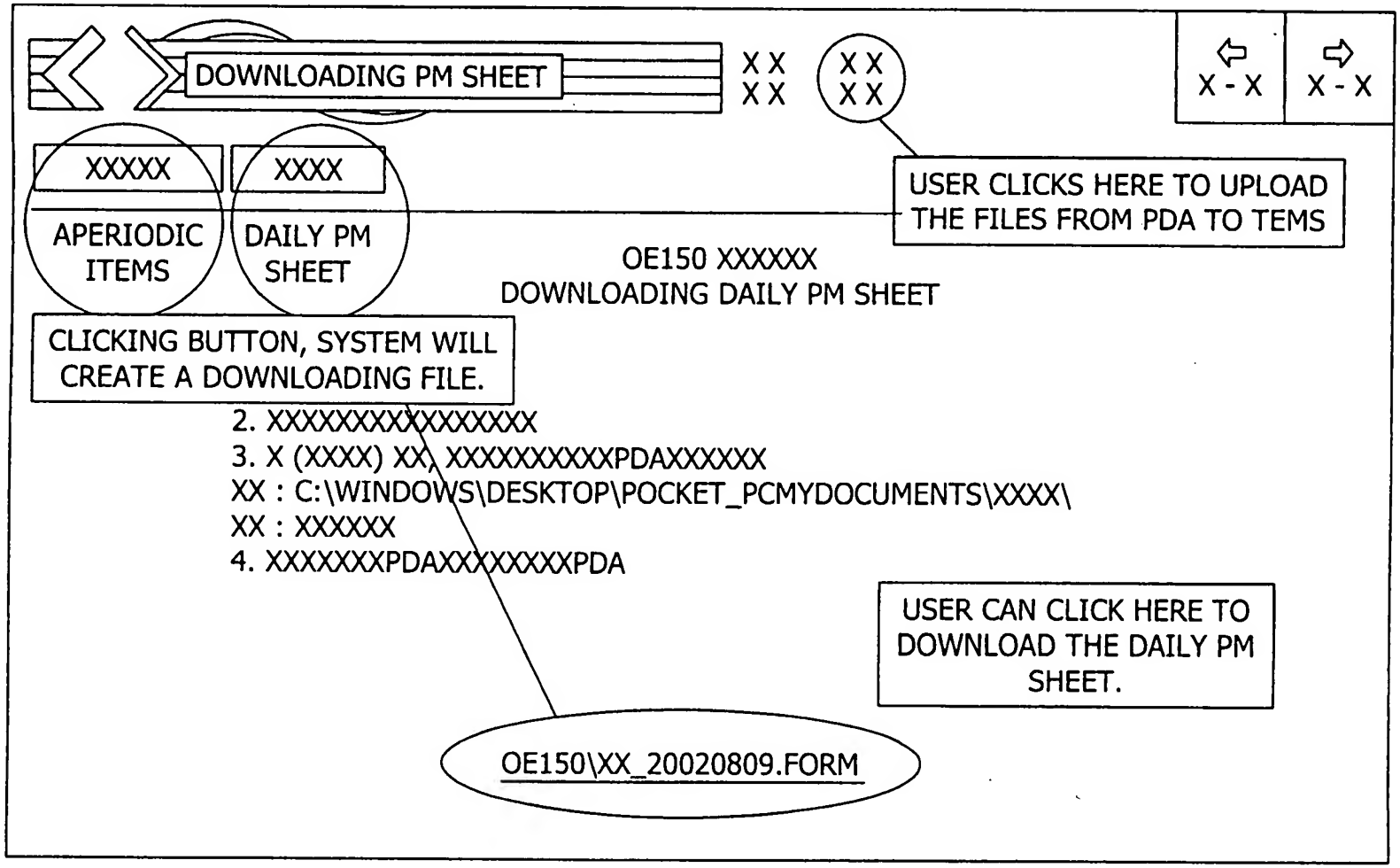

DOWNLOADING PM SHEET
X X
X X
X X
X X
X - X
X - X
XXXXX
XXXX
APERIODIC ITEMS
DAILY PM SHEET
USER CLICKS HERE TO UPLOAD THE FILES FROM PDA TO TEMS
OE150 XXXXXX
DOWNLOADING DAILY PM SHEET
CLICKING BUTTON, SYSTEM WILL CREATE A DOWNLOADING FILE.
2. XXXXXXXXXXXXXXX
3. X (XXXX) XX, XXXXXXXXXPDAXXXXXX
XX : C:\WINDOWS\DESKTOP\POCKET_PCMYDOCUMENTS\XXXX\
XX : XXXXXX
4. XXXXXXPDAXXXXXXXPDA
USER CAN CLICK HERE TO DOWNLOAD THE DAILY PM SHEET.
OE150\XX_20020809.FORM

FIG. 21

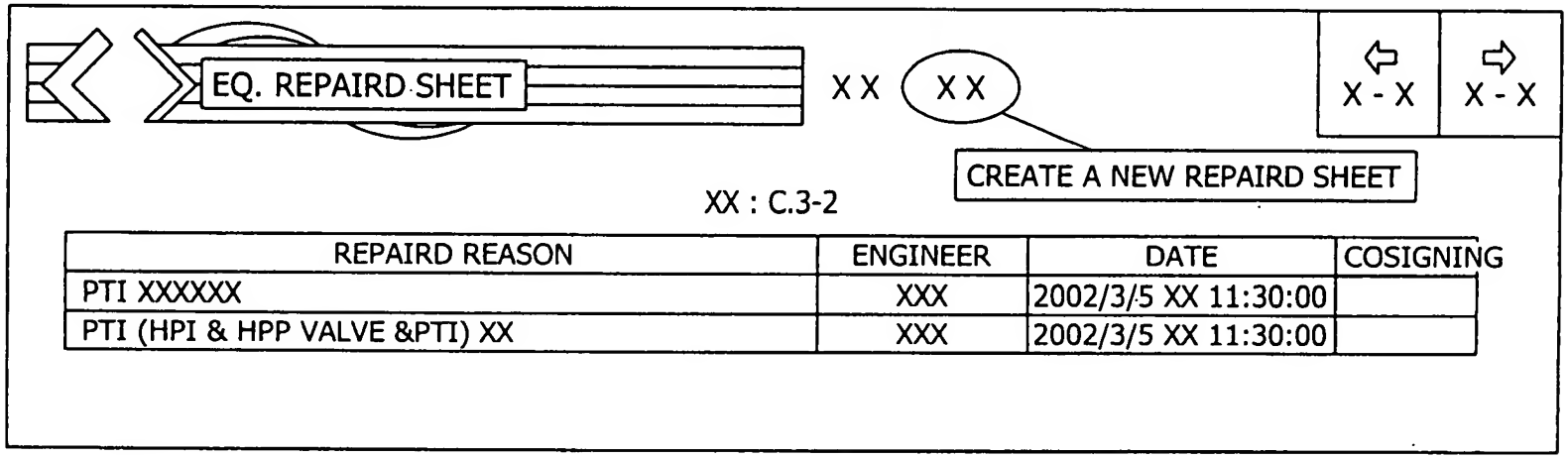
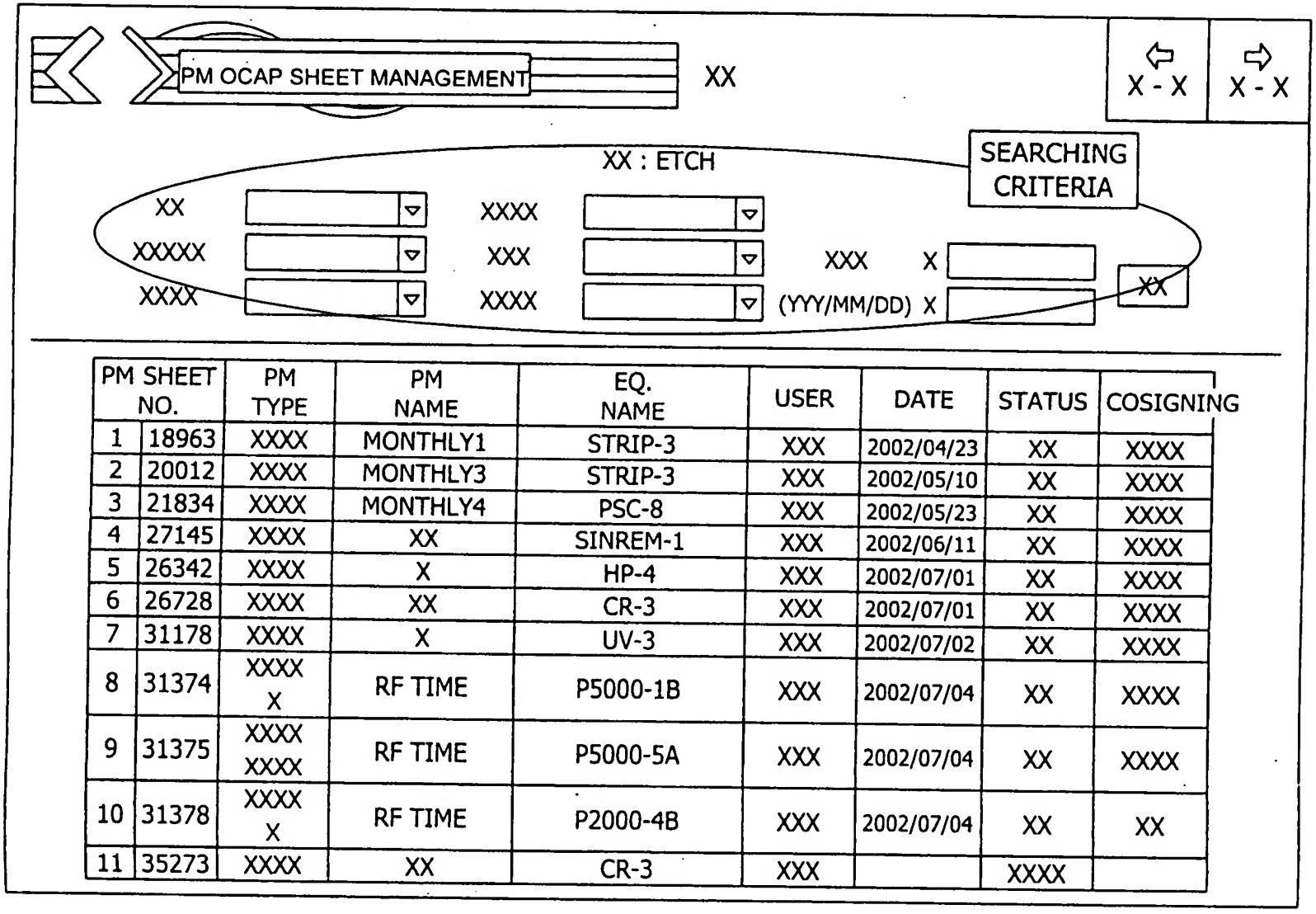

EQ. REPAIRD SHEET
X X
X X
X - X
X - X
CREATE A NEW REPAIRD SHEET
XX : C.3-2
REPAIRD REASON
ENGINEER
DATE
COSIGNING
PTI XXXXXX
XXX
2002/3/5 XX 11:30:00
PTI (HPI & HPP VALVE &PTI) XX
XXX
2002/3/5 XX 11:30:00

FIG. 22



PM SHEET NO.		PM TYPE	PM NAME	EQ. NAME	USER	DATE	STATUS	COSIGNING
1	18963	XXXX	MONTHLY1	STRIP-3	XXX	2002/04/23	XX	XXXX
2	20012	XXXX	MONTHLY3	STRIP-3	XXX	2002/05/10	XX	XXXX
3	21834	XXXX	MONTHLY4	PSC-8	XXX	2002/05/23	XX	XXXX
4	27145	XXXX	XX	SINREM-1	XXX	2002/06/11	XX	XXXX
5	26342	XXXX	X	HP-4	XXX	2002/07/01	XX	XXXX
6	26728	XXXX	XX	CR-3	XXX	2002/07/01	XX	XXXX
7	31178	XXXX	X	UV-3	XXX	2002/07/02	XX	XXXX
8	31374	XXXX X	RF TIME	P5000-1B	XXX	2002/07/04	XX	XXXX
9	31375	XXXX XXXX	RF TIME	P5000-5A	XXX	2002/07/04	XX	XXXX
10	31378	XXXX X	RF TIME	P2000-4B	XXX	2002/07/04	XX	XX
11	35273	XXXX	XX	CR-3	XXX		XXXX	

FIG. 23

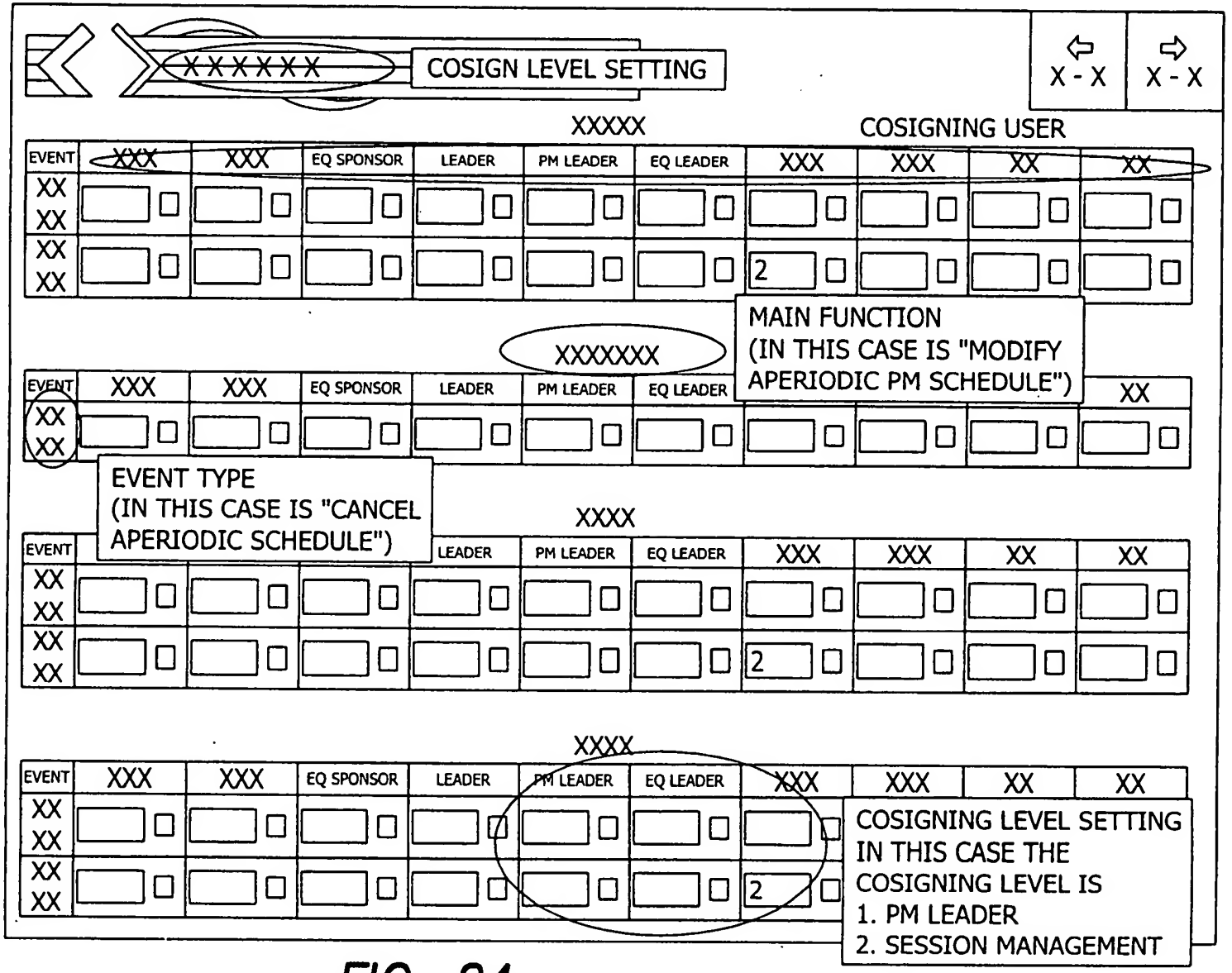
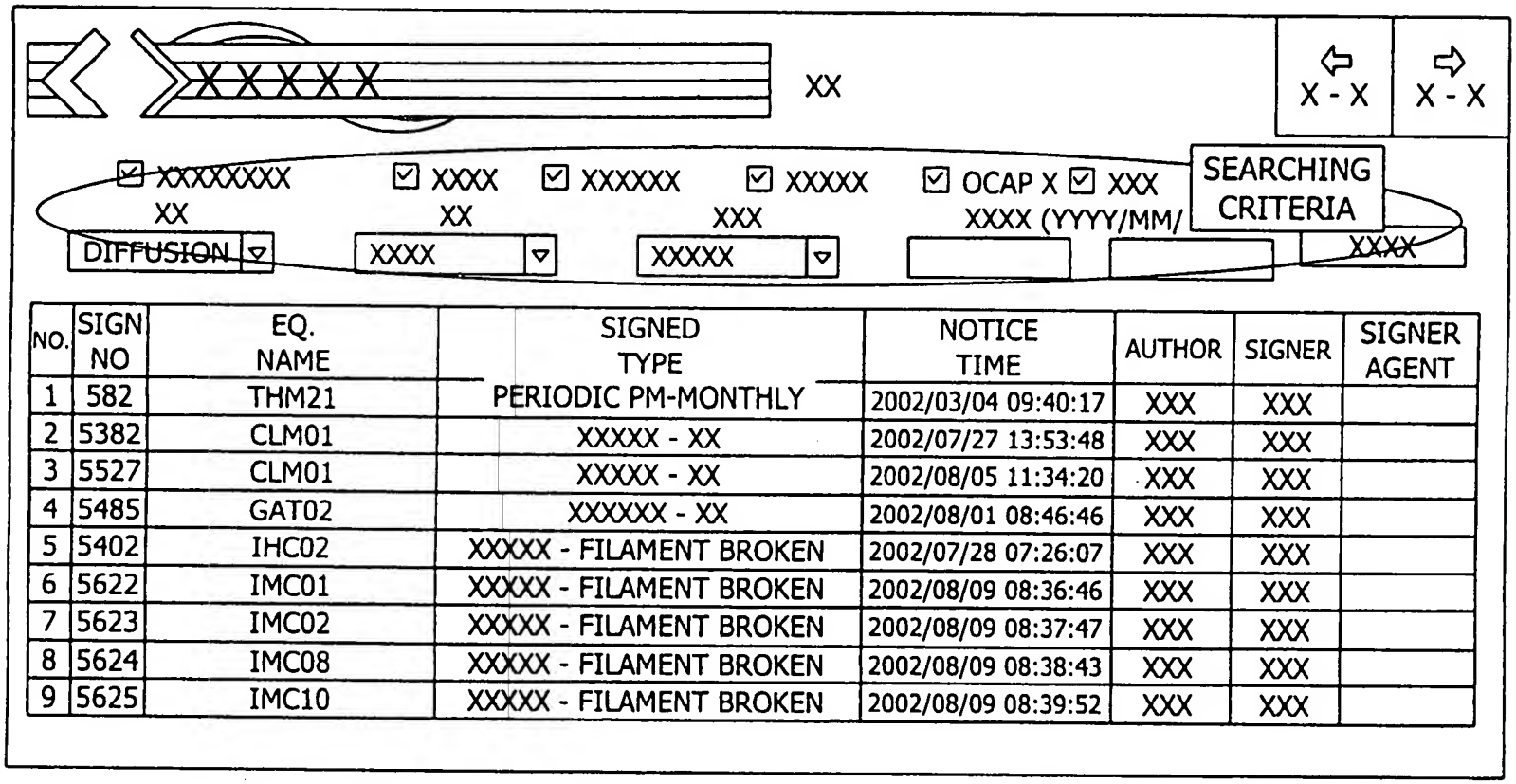

XXXXXX
COSIGN LEVEL SETTING
X - X
X - X
XXXXX
COSIGNING USER
EVENT
XXX
XXX
EQ SPONSOR
LEADER
PM LEADER
EQ LEADER
XXX
XXX
XX
XX
XX
XX
XX
XX
2
MAIN FUNCTION
(IN THIS CASE IS "MODIFY APERIODIC PM SCHEDULE")
XXXXXXX
EVENT TYPE
(IN THIS CASE IS "CANCEL APERIODIC SCHEDULE")
XXXX
XXXX
COSIGNING LEVEL SETTING
IN THIS CASE THE
COSIGNING LEVEL IS
1. PM LEADER
2. SESSION MANAGEMENT

FIG. 24



NO.	SIGN NO	EQ. NAME	SIGNED TYPE	NOTICE TIME	AUTHOR	SIGNER	SIGNER AGENT
1	582	THM21	PERIODIC PM-MONTHLY	2002/03/04 09:40:17	XXX	XXX	
2	5382	CLM01	XXXXX - XX	2002/07/27 13:53:48	XXX	XXX	
3	5527	CLM01	XXXXX - XX	2002/08/05 11:34:20	XXX	XXX	
4	5485	GAT02	XXXXXX - XX	2002/08/01 08:46:46	XXX	XXX	
5	5402	IHC02	XXXXX - FILAMENT BROKEN	2002/07/28 07:26:07	XXX	XXX	
6	5622	IMC01	XXXXX - FILAMENT BROKEN	2002/08/09 08:36:46	XXX	XXX	
7	5623	IMC02	XXXXX - FILAMENT BROKEN	2002/08/09 08:37:47	XXX	XXX	
8	5624	IMC08	XXXXX - FILAMENT BROKEN	2002/08/09 08:38:43	XXX	XXX	
9	5625	IMC10	XXXXX - FILAMENT BROKEN	2002/08/09 08:39:52	XXX	XXX	

FIG. 25

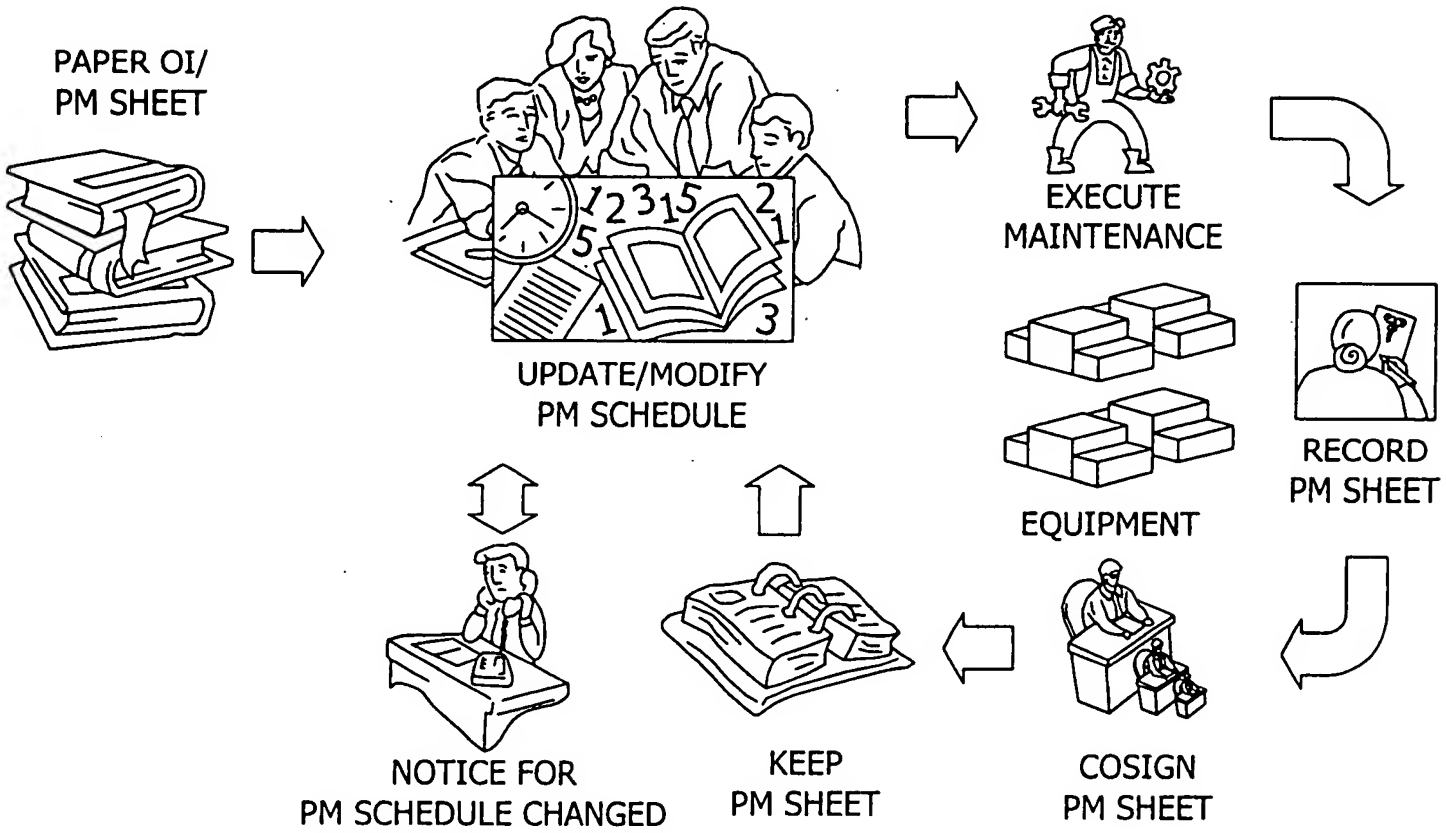

PAPER OI/
PM SHEET
UPDATE/MODIFY
PM SCHEDULE
EXECUTE
MAINTENANCE
RECORD
PM SHEET
EQUIPMENT
COSIGN
PM SHEET
KEEP
PM SHEET
NOTICE FOR
PM SCHEDULE CHANGED

FIG. 26

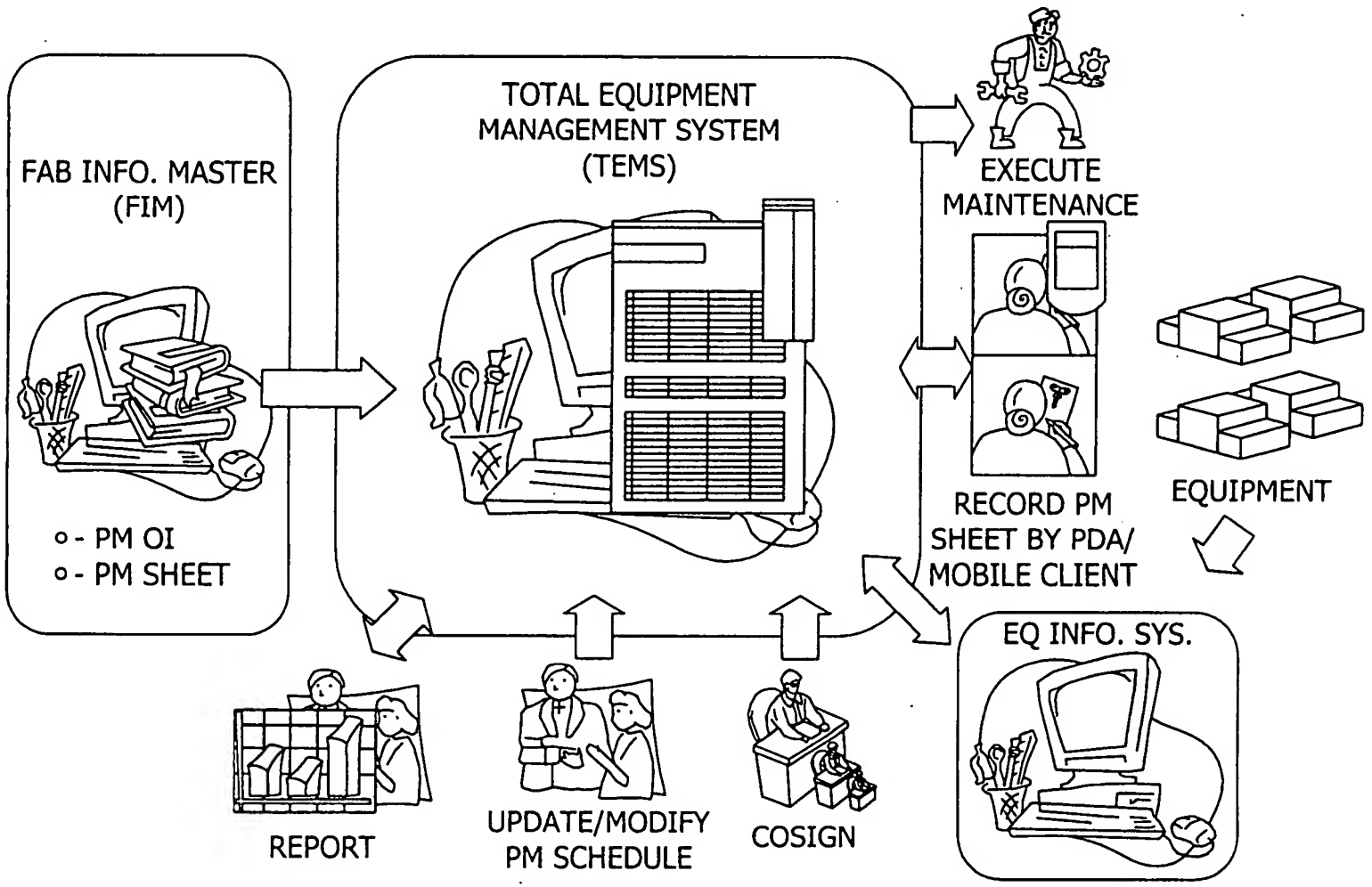

FAB INFO. MASTER
(FIM)
o - PM OI
o - PM SHEET
TOTAL EQUIPMENT
MANAGEMENT SYSTEM
(TEMS)
EXECUTE
MAINTENANCE
RECORD PM
SHEET BY PDA/
MOBILE CLIENT
EQUIPMENT
EQ INFO. SYS.
REPORT
UPDATE/MODIFY
PM SCHEDULE
COSIGN

FIG. 27

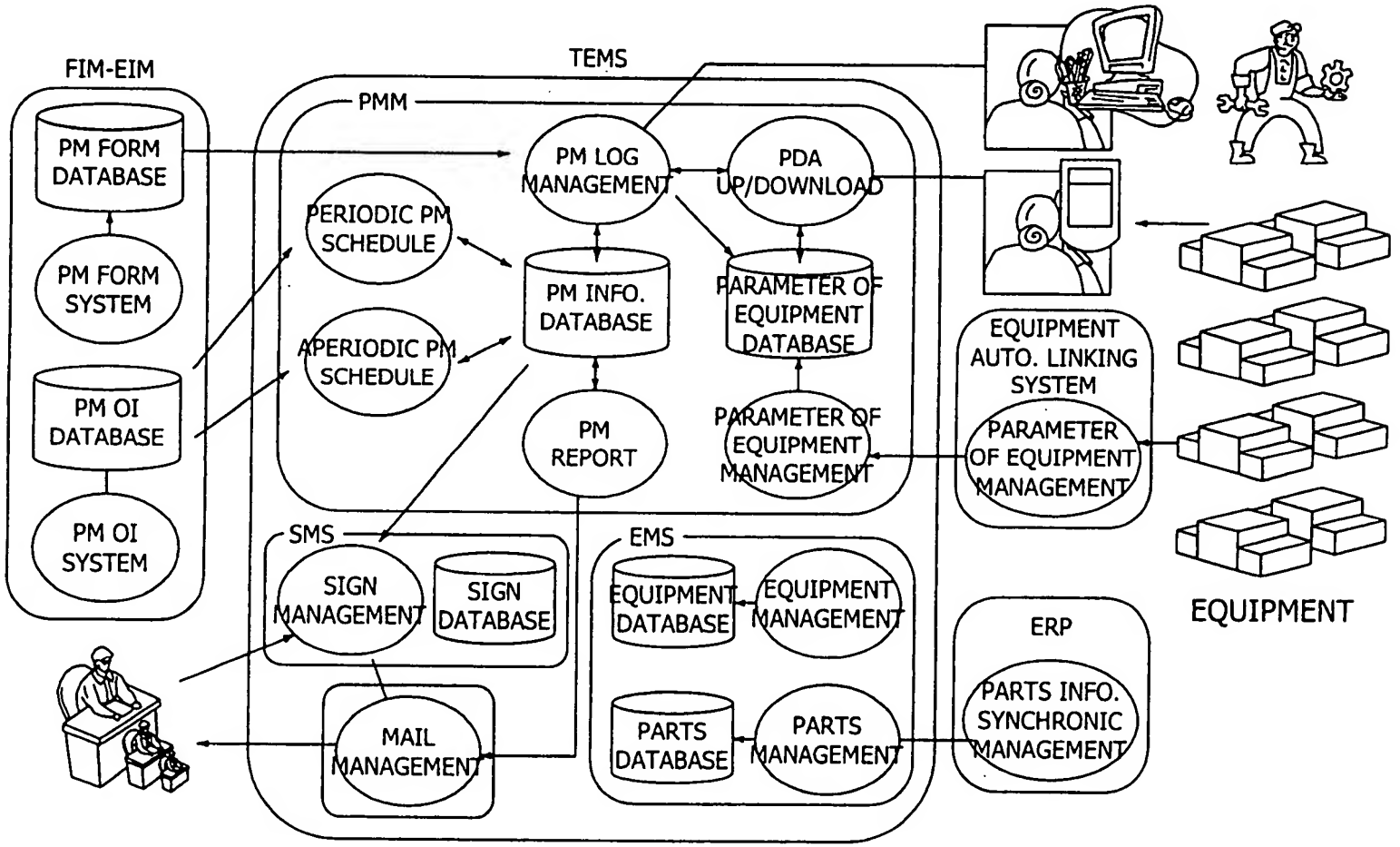

FIM-EIM
PM FORM DATABASE
PM FORM SYSTEM
PM OI DATABASE
PM OI SYSTEM
TEMS
PMM
PM LOG MANAGEMENT
PDA UP/DOWNLOAD
PERIODIC PM SCHEDULE
APERIODIC PM SCHEDULE
PM INFO. DATABASE
PARAMETER OF EQUIPMENT DATABASE
PM REPORT
PARAMETER OF EQUIPMENT MANAGEMENT
SMS
SIGN MANAGEMENT
SIGN DATABASE
MAIL MANAGEMENT
EMS
EQUIPMENT DATABASE
EQUIPMENT MANAGEMENT
PARTS DATABASE
PARTS MANAGEMENT
EQUIPMENT AUTO. LINKING SYSTEM
PARAMETER OF EQUIPMENT MANAGEMENT
ERP
PARTS INFO. SYNCHRONIC MANAGEMENT
EQUIPMENT

FIG. 28

PM OI VERSION REVISED DATA IN THE FIM-EIM SYSTEM

XX FACTORY FAB1 XXXX PM OI ADT P5000 PASSVIATION
XX VER. 9 -> 10 XXXX STATUS XXX-ECR

XXXXXX : XXXXXXXXX, XXXXXXXXX

XXXX

1. XXXX
2. XX
3. XXXX
PERIODIC PM

STATUS	PM PERIOD	EQ NAME	PM FORM NO	PERIOD DAY	REF. PROCEDURE	REMARK
XXXX	XX	XX	XXXX	XXXX	XXXXXX	XX
XX	XX 1	ADT-1	P1416K			
XX	XX 1	ADT-2	P1416K			
XX	XX 1	ADT-3	P1416K			
XX	XX 1	ADT-6	P1416K			
XX	XX 1	ADT-7	P1416K			NEW ITEMS IN NEW VER.
XX	XX 1	ADT-10	P1416K			
XX	XX 1	ADT-13	P1416K			
XX	XX 1	ADT-15	P1416K			
XX	XX 1	ADT-17	P1416K			
XX	XX 2	ADT-1	P1416K			
XX	XX 2	ADT-2	P1416K			
XX	XX 2	ADT-3	P1416K			
XX	XX 2	ADT-6	P1416K			
XX	XX 2	ADT-7	P1416K			REMOVED ITEMS IN OLD VER.
XX	XX 2	ADT-10	P1416K			
XX	XX 2	ADT-13	P1416K			
XX	XX 2	ADT-15	P1416K			
XX	XX 2	ADT-17	P1416K			

REMOVE QUARTERLY PM2 ADT-13 P1416K

IN THIS CASE
THE OI (ADT P5000 PASSVIATION) HAD BEEN REVISED FROM VER. 9 TO VER. 10. AND THE "QUARTERLY PM2" OF THE PERIODIC PM FOR ADT-13 HAD BEEN REMOVED IN THIS VERSION. WHEN THIS CASE IS APPROVED, THE TEMS SYSTEM WILL AUTOMATICALLY REMOVE THE "QUARTERLY PM2" OF ADT-13.

PM SCHEDULING PLAN XX XX X - X

○ XXXX ○ XXXXX ◎ XX 2003 X 9 XX XX (XXXXXXXXXX)

XXX

STOP

EQUIPMENT	PM PERIOD	X X	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
ADT-13	X (30)	10							X																							
ADT-13	XX 1 (30)	0			X																											
ADT-13	XX2 ()	0.5																												X		

QUARTERLY PM2

FIG. 29

THE FORECASTING SCHEDULE OF ADT-13'S "QUARTERLY PM2" HAS BEEN STOP IN THE TEMS SYSTEM

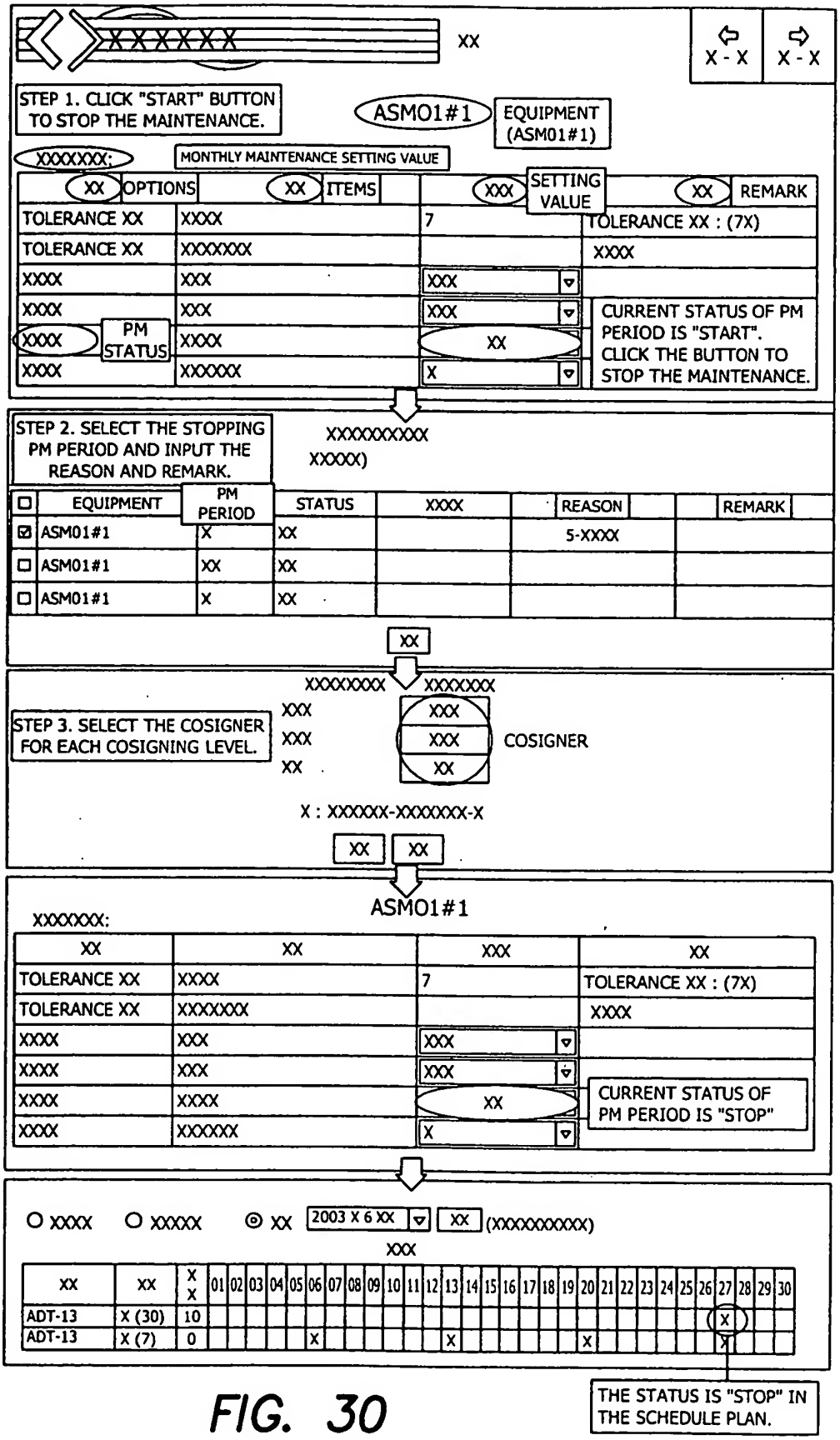

XXXXXX
XX
X - X
X - X
STEP 1. CLICK "START" BUTTON TO STOP THE MAINTENANCE.
ASM01#1
EQUIPMENT (ASM01#1)
XXXXXX:
MONTHLY MAINTENANCE SETTING VALUE
XX OPTIONS
XX ITEMS
XXX SETTING VALUE
XX REMARK
TOLERANCE XX
XXXX
7
TOLERANCE XX : (7X)
TOLERANCE XX
XXXXXX
XXXX
XXX
XXX
XXX
XXX
XXX
XXX
PM STATUS
XXXX
XXXX
XX
CURRENT STATUS OF PM PERIOD IS "START". CLICK THE BUTTON TO STOP THE MAINTENANCE.
XXXX
XXXXXX
X
STEP 2. SELECT THE STOPPING PM PERIOD AND INPUT THE REASON AND REMARK.
XXXXXXXXX
XXXXX)
EQUIPMENT
PM PERIOD
STATUS
XXXX
REASON
REMARK
ASM01#1
X
XX
5-XXXX
ASM01#1
XX
XX
ASM01#1
XX
XXXXXXX
XXXXXX
XXX
XXX
XX
XXX
XXX
XX
COSIGNER
X : XXXXX-XXXXXX-X
XX
XX
ASM01#1
XXXXXX:
XX
XX
XXX
XX
TOLERANCE XX
XXXX
7
TOLERANCE XX : (7X)
TOLERANCE XX
XXXXXX
XXXX
XXX
XXX
XXX
XXX
XXX
XXX
XXXX
XXXX
XX
CURRENT STATUS OF PM PERIOD IS "STOP"
XXXX
XXXXXX
X
XXXX
XXXXX
XX
2003 X 6 XX
XX
(XXXXXXXXXX)
XXX
XX
XX
XX
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
ADT-13
X (30)
10
X
ADT-13
X (7)
0
X
X
X
X
THE STATUS IS "STOP" IN THE SCHEDULE PLAN.

FIG. 30

XXXXX (XXX:59001) 2003/8/1 XX 08:27:34

XXXX	CLM01	XXXXX	XX		
XXXX	2003/7/31 XX 10:00:00- 2003/7/31 XX 04:00:00	XXXX	XXX	XXXX	XXX
XX					

MAINTENANCE ITEMS

	ITEMS (DESCRIPTION)	SPEC (UP, LOW LIMIT)	Y/N	VALUE 1	VALUE 2	VALUE 3	UNIT	OCAP X	USER	REMARK
1	CHECK CHEMICAL BATH & MEASURING TANK HEATER ON		Y						xxx	
2	CHEMICAL BATH COVER XX		Y						xxx	
3	CHECK CHEMICAL CIRCULATION PUMP CONNECTION NO LEAK		Y						xxx	
4	INSPECT ROBOT MOTION XXX		Y						xxx	
5	INSPECT WAFER TRANSFER XXX		Y						xxx	
6	XXXXXXXX		Y						xxx	
7	XXXXXXXXX		Y						xxx	
8	CLEAN BATH & SPIN DRY CHAMBER		Y						xxx	
9	INSPECT TEFLON CASSETTE XXX		Y						xxx	
10	POS 4,6,8,9 BATH SHOWER FLOW METER	(>=18,<=22)		20			L/min		xxx	
11	POS 4,6,8,9 BATH SHOWER FLOW METER	(>=14,<=18)		20			L/min	S0523	xxx	
12	POS 2-4 EXBAUST PRESSURE	(>=8,<=20)		16			mm H20		xxx	

COSIGNING FLOW

XX	XX	XXXX	XXXX	XXXX	XXXX
0	XXX	2003/8/1 XX 08:36:04	2003/8/11 XX 08:53:24	XX	
1	XXX	2003/8/11 XX 08:53:25	2003/8/11 XX 09:57:46	XX	
2	XXX	2003/8/11 XX 09:57:47			

IN THIS CASE
THE VALUE OF ITEM 11 IS 20> THE VALUE OF UP LIMIT (VALUE IS 18), THE SYSTEM CREATE A PM OCAP SHEET FOR THIS ITEM AUTOMATICALLY.

OCAPX XX

PM OCAP X-XXXX-(XXXX): XXXX XXXX XXXX XXXX: 2003/8/11 XX 11:11:29

XXXX	CLM01	XXXX	XX
XXXX	XXX	XXXX	2003/07/31 10:00-2003/07/31 16:00
XXXX	XXX ...	XXXX	XXX
XXXX	2003/8/11 ... 11:00	XXXX	2003/8/11 ... 11:00
XXXX			

XXXX	XXXX	XXXX

ITEMS (DESCRIPTION)	SPEC. (UP, LOW LIMIT)	OLD VALUE	NEW VALUE	UNIT	ACTION PROCESS	USER/REMARK
POS 4,6,8,9 BATH SHOWER FLOW METER	(>=14, <=18)	Y/N : E X1 : 20 X2 : X3 :	O Y O N X1: X2: X3:	L/min	X X X X X X X X X X X	XXX XXX

IN THIS CASE
WHEN THE VALUE OF MAINTENANCE ITEMS IS OUT OF SPEC., THE SYSTEM WILL AUTOMATICALLY CREATE A PM OCAP SHEET. USER MUST RECORD THE ACTION PROCESS AND ITEM VALUE AFTER MAINTAINING.

FIG. 31

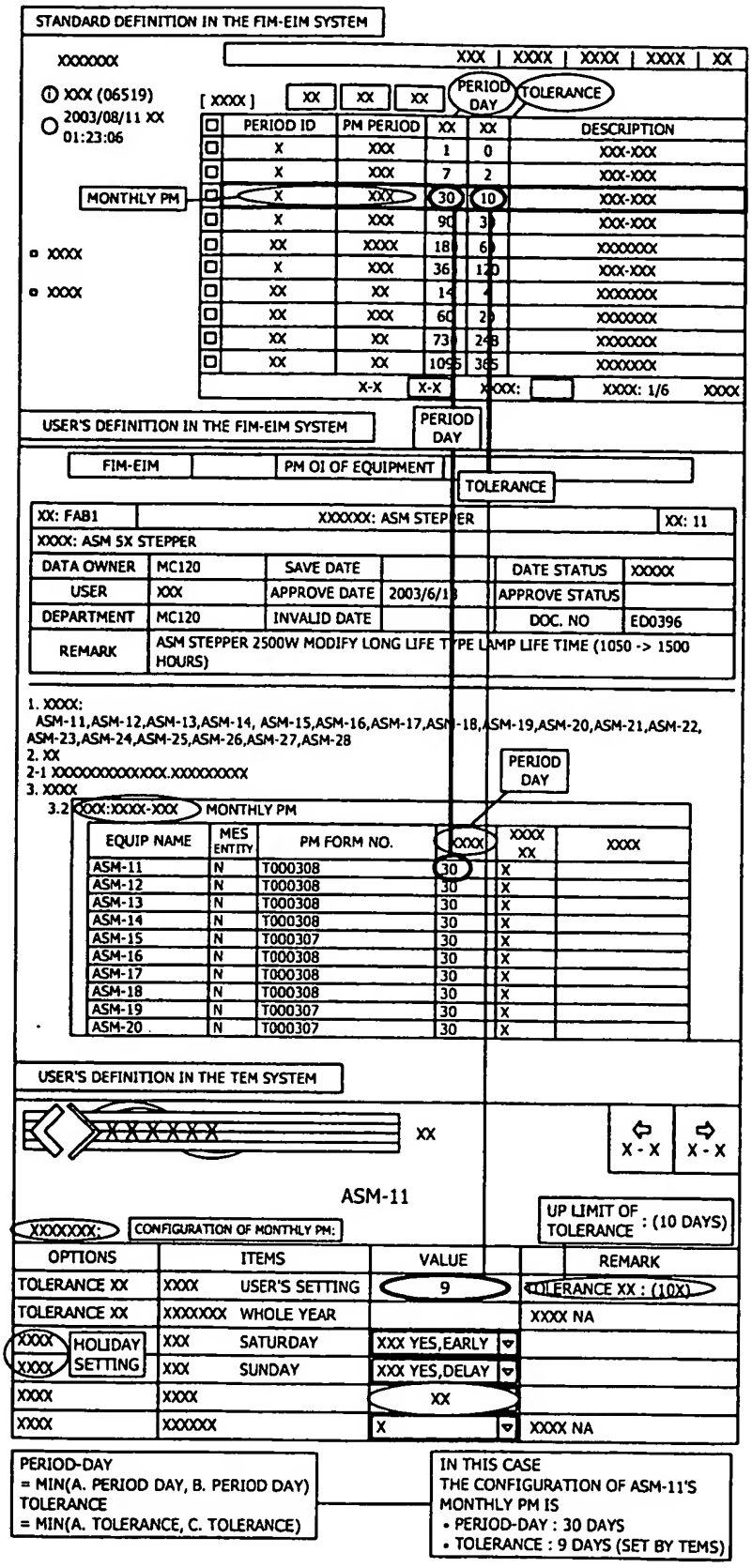

STANDARD DEFINITION IN THE FIM-EIM SYSTEM
XXXXXXX
XXX | XXXX | XXXX | XXXX | XX
XXX (06519)
2003/08/11 XX 01:23:06
[XXXX]
XX XX XX
PERIOD DAY
TOLERANCE
PERIOD ID | PM PERIOD | XX | XX | DESCRIPTION
X | XXX | 1 | 0 | XXX-XXX
X | XXX | 7 | 2 | XXX-XXX
X | XXX | 30 | 10 | XXX-XXX
X | XXX | 90 | 30 | XXX-XXX
XX | XXXX | 180 | 60 | XXXXXXX
X | XXX | 365 | 120 | XXX-XXX
XX | XX | 14 | 4 | XXXXXX
XX | XXX | 60 | 20 | XXXXXX
XX | XX | 730 | 248 | XXXXXX
XX | XX | 1095 | 365 | XXXXXX
MONTHLY PM
XXXX
XXXX
X-X X-X XXXX: XXXX: 1/6 XXXX
USER'S DEFINITION IN THE FIM-EIM SYSTEM
PERIOD DAY
FIM-EIM
PM OI OF EQUIPMENT
TOLERANCE
XX: FAB1
XXXXX: ASM STEPPER
XX: 11
XXXX: ASM 5X STEPPER
DATA OWNER | MC120 | SAVE DATE | DATE STATUS | XXXX
USER | XXX | APPROVE DATE | 2003/6/13 | APPROVE STATUS
DEPARTMENT | MC120 | INVALID DATE | DOC. NO | ED0396
REMARK | ASM STEPPER 2500W MODIFY LONG LIFE TYPE LAMP LIFE TIME (1050 -> 1500 HOURS)
1. XXXX:
ASM-11,ASM-12,ASM-13,ASM-14, ASM-15,ASM-16,ASM-17,ASM-18,ASM-19,ASM-20,ASM-21,ASM-22, ASM-23,ASM-24,ASM-25,ASM-26,ASM-27,ASM-28
2. XX
2-1 XXXXXXXXXXXX.XXXXXXXX
3. XXXX
3.2 XXX:XXXX-XXX MONTHLY PM
PERIOD DAY
EQUIP NAME | MES ENTITY | PM FORM NO. | XXXX | XXXX XX | XXXX
ASM-11 | N | T000308 | 30 | X
ASM-12 | N | T000308 | 30 | X
ASM-13 | N | T000308 | 30 | X
ASM-14 | N | T000308 | 30 | X
ASM-15 | N | T000307 | 30 | X
ASM-16 | N | T000308 | 30 | X
ASM-17 | N | T000308 | 30 | X
ASM-18 | N | T000308 | 30 | X
ASM-19 | N | T000307 | 30 | X
ASM-20 | N | T000307 | 30 | X
USER'S DEFINITION IN THE TEM SYSTEM
XXXXXX
XX
X - X
X - X
ASM-11
XXXXXX: CONFIGURATION OF MONTHLY PM:
UP LIMIT OF TOLERANCE : (10 DAYS)
OPTIONS | ITEMS | VALUE | REMARK
TOLERANCE XX | XXXX USER'S SETTING | 9 | TOLERANCE XX : (10X)
TOLERANCE XX | XXXXXX WHOLE YEAR | | XXXX NA
XXXX HOLIDAY SETTING | XXX SATURDAY | XXX YES,EARLY |
XXXX HOLIDAY SETTING | XXX SUNDAY | XXX YES,DELAY |
XXXX | XXXX | XX |
XXXX | XXXXXX | X | XXXX NA
PERIOD-DAY
= MIN(A. PERIOD DAY, B. PERIOD DAY)
TOLERANCE
= MIN(A. TOLERANCE, C. TOLERANCE)
IN THIS CASE
THE CONFIGURATION OF ASM-11'S MONTHLY PM IS
• PERIOD-DAY : 30 DAYS
• TOLERANCE : 9 DAYS (SET BY TEMS)

FIG. 32

APERIODIC PM DEFINITION IN THE FIM-EIM SYSTEM

FIM-EIM	XXXXXXX	
XX : FAB2	XXXXX:ETCH-EXELAN	XX : 2
XXXX : XXXXXXX-EXELAN CIP/HPT		

XXXXX	MC230	XXXX		XXXX	XXXXX
XXX	XXX	XXXX	2003/5/16	XXXX	
XXXXX	MC230	XXXX		XXXX	ED0336
XXXX	XXOIXX				

1. XXXX: EQUIPMENT
ACE07,ACE08,ACE08
2. XX PURPOSE
2-1 XXXX
2-1-1 XXXXXXXXXXX. XXXXXXXX. XXXXXXXX
3. XXXX PERIODIC PM
3.1 XXXX : XXXXXX

XXXX	MES ENTITY	XXXX	XXXX	XXXX XX	XXXX
ACE07#1	Y	PB1128B		X	
ACE07#2	Y	PB1128B		X	
ACE07#3	Y	PB1128B		X	
ACE08#01	Y	PB1128B		X	
ACE08#02	Y	PB1128B		X	
ACE08#03	Y	PB1128B		X	

4. XXXX PERIODIC PM
4.1 RF ON TIME

EQUIPMENT	MES ENTITY	PROCESS	UP LIMIT	LOW LIMIT	UNIT	FORM NO	XXXX XX	XXXX
ACE07#1	Y		130	110	HOUR	PB1128A	X	
ACE07#2	Y		130	110	HOUR	PB1128A	X	
ACE07#3	Y		130	110	HOUR	T005061	X	
ACE08#1	Y		130	110	HOUR	T005061	X	
ACE08#2	Y		130	110	HOUR	T005061	X	
ACE08#3	Y		130	110	HOUR	T005061	X	

THE APERIODIC ITEMS WHICH DEFINED IN THE FIM-EIM SYSTEM, WILL BE AUTOMATICALLY INCLUDED IN THE TEMS SYSTEM.

CURRENT VALUE OF APERIODIC PM IN THE TEMS SYSTEM

XXXXXXX XX XX XX X-X X-X

XXXX: XX-X ◎ XXXXXX CURRENT VALUE X VARIATION VARIATION (7 TIMES)

EQ NAME	APERIODIC ITEM	LOW LIMIT	UP LIMIT	XXX	UPDATING TIME	STATUS	XXX XX	XXX XXX X	DIR.	UNIT	AUTO	FORM NO
ACE01#1	RF ON TIME	115	125	26	2003/08/11 15:05		1.67	1.67	+	HOUR	Y	PB1103D
ACE01#2	RF ON TIME	115	125	48	2003/08/11 15:05		2	2	+	HOUR	Y	PB1103D
ACE04#1	RF ON TIME	115	125	74	2003/08/11 15:11		4.83	4.83	+	HOUR	Y	PB1103D
ACE04#2	RF ON TIME	115	125	82	2003/08/11 15:11		6.83	6.83	+	HOUR	Y	PB1103D
ACE05#2	RF ON TIME	115	125	27	2003/08/11 15:20		5.83	5.83	+	HOUR	Y	PB1103D
ACE05#3	RF ON TIME	115	125	8	2003/08/11 15:20		4.33	4.33	+	HOUR	Y	PB1103D
ACE06#1	RF ON TIME	115	125	31	2003/08/11 15:12		4.5	4.5	+	HOUR	Y	PB1103D
ACE06#2	RF ON TIME	115	125	65	2003/08/11 15:12		3.5	3.5	+	HOUR	Y	PB1103D
ACE07#1	RF ON TIME	110	130	92	2003/08/11 14:52		0.17	0.17	+	HOUR	Y	PB1128A
ACE07#2	RF ON TIME	110	130	71	2003/08/11 14:52		2.83	2.83	+	HOUR	Y	PB1128A
ACE07#3	RF ON TIME	110	130	58	2003/08/11 14:52		1.17	1.17	+	HOUR	Y	T005061
ACE08#1	RF ON TIME	110	130	112	2003/08/11 14:59	XXXX	1		+	HOUR	Y	T005061
ACE08#2	RF ON TIME	110	130	6	2003/08/11 14:59		1		+	HOUR	Y	T005061
ACE08#3	RF ON TIME	110	130	64	2003/08/11 14:59		1		+	HOUR	Y	T005061

FIG. 33